

SARS-CoV-2 Spike Glycoprotein-crude

Cat. No.: RP30020

Overview

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| Description | This pool includes 316 peptides (delivered in two subpools of 158 & 158 peptides) derived from a peptide scan (15mers with 11 aa overlap) through the entire Spike glycoprotein (Protein ID: P0DTC2) of SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) for T cell assays. |
| Sequence | MFVFLVLLPLVSSQCVNLTTRTQLPPAYTNSFTRGVYYPDKVFRSSVLHSTQDLFLPFFSNVTWFHAI HVSGTNGTKRFDNPVLPFNDGVYFASTEKSNIIRGWIFGTTLDSTQSLNATNWIWVCEFCFCN DPFLGVYHKNKSWMESEFRVYSSANNCTFEYVSQPFLMDLEGKQGNFKNLREFVFKNIDGYFKIY SKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQTLALHRSYLPDSSSGWTAGAAAYVGYLQPR TFLLKYNENGTITDAVDCALDPLSEKTKLSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFN ATRFASVYAWNRKRISNCVADYSVLYNSASFSTFKCYGVSPTKLNDLCFTNRYADSFVIRGDEVRQIAP GQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNYNYLYRFRKSNLKPFERDISTEIQAGSTPC NGVEGFNCYFPLQSYGFQPTNGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLT GTGVLTESNKKFLPFQQFGRDIADTTDAVRDPQTLEILDITPCSFGGVSVITPGTNTSNQVAVLYQDV NCTEVPVAIHADQLTPTWRVYSTGSNVFQTRAGCLIGAHEVNNSYECDIPIGAGICASYQTQTNSPRR ARSVASQSIAYTMSLGAENSVAYSNNIAIPTNFTISVTTEILPVSMTKTSVDCTMYICGDSTECSNLLL QYGSFCTQLNRALTGIAVEQDKNTQEVFAQVKQIYKTPPIKDFGGFNFSQILPDPSPKSKRSFIEDLLF NKVTLADAGFIKQYGDCLGDIARDLICAQKFNGLTVLPPLTDEMIQAQYTSALLAGTITSGWTFGAGA ALQIPFAMQMAYRFNGIGVTQNVLYENQKLIANQFNSAIGKIQDSLSTASALGKLQDVVNQNAQALN TLVKQLSSNFGAISSVLNDILSRDKVEAEVQIDRLITGRLQSLQTYVTQQLIRAAEIRASANLAATKMS ECVLGQSKRVDFCGKGYHLSFPQSAPHGWFVFLHVTYVPAQEKNFHTTAPAICHGKAHFPREGVFVS NGTHWFVTQRNFYEPQIITDNTFVSGNCDVWIGVNNVYDPLQPELDSFKEELDKEYFKNHTSPDVD LGDISGINASVNIQKEIDRLNEVAKNLNESLIDLQELGKYEQYIKWPWYIWLGFIAGLIAIVMVTIMLCC MTSCCSCLKGCCSCGSCCKFDEDDSEPVKGVKLYHT |

Properties

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|-------------------|---|
| Purity | Crude |
| Solubility | Dissolve in a minimum amount of pure DMSO (approx. 40 µl) and dilute with PBS buffer to the final concentration. Please note that the final concentration of DMSO must be below 1 % (v/v) to avoid toxicity in the biological system. |
| Form | Lyophilized |
| Storage | Store at -20°C. |

Note The peptides of this product are supplied as trifluoroacetate salts

Applications

T-cell assays, Immune monitoring, Antigen specific T-cell stimulation, T-cell expansion, Cellular immune response

Sequence (one-letter-code)

| Code | Sequence | Code | Sequence |
|------------|------------------|------------|------------------|
| peptide_1 | MFVFLVLLPLVSSQC | peptide_2 | LVLLPLVSSQCVNLT |
| peptide_3 | PLVSSQCVNLTTTRTQ | peptide_4 | SQCVNLTTTRTQLPPA |
| peptide_5 | NLTTTRTQLPPAYTNS | peptide_6 | RTQLPPAYTNSFTRG |
| peptide_7 | PPAYTNSFTRGVVYP | peptide_8 | TNSFTRGVVYPDKVF |
| peptide_9 | TRGVVYPDKVFRSSV | peptide_10 | YYPDKVFRSSVLHST |
| peptide_11 | KVFRSSVLHSTQDLF | peptide_12 | SSVLHSTQDLFLPFF |
| peptide_13 | HSTQDLFLPFFSNVT | peptide_14 | DLFLPFFSNVTWFHA |
| peptide_15 | PFFSNVTWFHAIHVS | peptide_16 | NVTWFHAIHVSQTNG |
| peptide_17 | FHAIHVSQTNGTKRF | peptide_18 | HVSQTNGTKRFDNPV |
| peptide_19 | TNGTKRFDNPVLPFN | peptide_20 | KRFDNPVLPFNDGVY |
| peptide_21 | NPVLPFNDGVYFAST | peptide_22 | PFNDGVYFASTEKSN |
| peptide_23 | GVYFASTEKSNIRG | peptide_24 | ASTEKSNIRGWIFG |
| peptide_25 | KSNIRGWIFGTTLD | peptide_26 | IRGWIFGTTLDSKTQ |
| peptide_27 | IFGTTLDSKTQSLLI | peptide_28 | TLDSKTQSLLIVNNA |
| peptide_29 | KTQSLLIVNNATNV | peptide_30 | LLIVNNATNVVIKVC |
| peptide_31 | NNATNVVIKVCEQFQ | peptide_32 | NVVIKVCEQFCNDP |
| peptide_33 | KVCEQFCNDPFLGV | peptide_34 | FQFCNDPFLGVYHK |
| peptide_35 | NDPFLGVYHKNNKS | peptide_36 | LGVYHKNNKSWMES |
| peptide_37 | YHKNNKSWMESEFRV | peptide_38 | NKSWMESEFRVYSSA |
| peptide_39 | MESEFRVYSSANNCT | peptide_40 | FRVYSSANNCTFEYV |
| peptide_41 | SSANNCTFEYVSQPF | peptide_42 | NCTFEYVSQPFLMDL |
| peptide_43 | EYVSQPFLMDLEGKQ | peptide_44 | QPFLMDLEGKQGNFK |
| peptide_45 | MDLEGKQGNFKNLRE | peptide_46 | GKQGNFKNLREFVFK |
| peptide_47 | NFKNLREFVFKNIDG | peptide_48 | LREFVFKNIDGYFKI |

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|-------------|------------------|-------------|---------------------|
| peptide_49 | VFKNIDGYFKIYSKH | peptide_50 | IDGYFKIYSKHTPIN |
| peptide_51 | FKIYSKHTPINLVRD | peptide_52 | SKHTPINLVRDLPQG |
| peptide_53 | PINLVRDLPQGFSAL | peptide_54 | VRDLPQGFSALEPLV |
| peptide_55 | PQGFSALEPLVDLPI | peptide_56 | SALEPLVDLPIGINI |
| peptide_57 | PLVDLPIGINITRFQ | peptide_58 | LPIGINITRFQTLA |
| peptide_59 | INITRFQTLALHRS | peptide_60 | RFQTLALHRSYLTP |
| peptide_61 | LLALHRSYLTGPDSS | peptide_62 | HRSYLTGPDSSSGWT |
| peptide_63 | LTPGDSSSGWTAGAA | peptide_64 | DSSSGWTAGAAAYV |
| peptide_65 | GWTAGAAAYVGYLQ | peptide_66 | GAAAYVGYLQPRTF |
| peptide_67 | YVGYLQPRTFLLKY | peptide_68 | YLQPRTFLLKYNENG |
| peptide_69 | RTFLLKYNENGTITD | peptide_70 | LKYNENGTITDAVDC |
| peptide_71 | ENGTITDAVDCALDP | peptide_72 | ITDAVDCALDPLSET |
| peptide_73 | VDCALDPLSETKCTL | peptide_74 | LDPLSETKCTLKSFT |
| peptide_75 | SETKCTLKSFTVEKG | peptide_76 | CTLKSFTVEKGIYQT |
| peptide_77 | SFTVEKGIYQTSNFR | peptide_78 | EKGIYQTSNFRVQPT |
| peptide_79 | YQTSNFRVQPTESIV | peptide_80 | NFRVQPTESIVRFPN |
| peptide_81 | QPTESIVRFPNITNL | peptide_82 | SIVRFPNITNLCPFGEVFN |
| peptide_83 | FPNITNLCPFGEVFN | peptide_84 | TNLCPFGEVFNATRF |
| peptide_85 | PFGEVFNATRFASVY | peptide_86 | VFNATRFASVYAWNR |
| peptide_87 | TRFASVYAWNRKRIS | peptide_88 | SVYAWNRKRISNCVA |
| peptide_89 | WNRKRISNCVADYSV | peptide_90 | RISNCVADYSVLYNS |
| peptide_91 | CVADYSVLYNSASFS | peptide_92 | YSVLYNSASFSSTFKC |
| peptide_93 | YNSASFSSTFKCYGVS | peptide_94 | SFSTFKCYGVSPTKL |
| peptide_95 | FKCYGVSPTKLNDLC | peptide_96 | GVSPTKLNDLCFTNV |
| peptide_97 | TKLNDLCFTNVYADS | peptide_98 | DLCFTNVYADSFVIR |
| peptide_99 | TNVYADSFVIRGDEV | peptide_100 | ADSFVIRGDEVIRQIA |
| peptide_101 | VIRGDEVIRQIAPGQT | peptide_102 | DEVIRQIAPGQTGKIA |
| peptide_103 | QIAPGQTGKIADYNY | peptide_104 | GQTGKIADYNYKLPD |
| peptide_105 | KIADYNYKLPDDFTG | peptide_106 | YNYKLPDDFTGCVIA |
| peptide_107 | LPDDFTGCVIAWNSN | peptide_108 | FTGCVIAWNSNNLDS |
| peptide_109 | VIAWNSNNLDSKVGG | peptide_110 | NSNNLDSKVGGNYNY |
| peptide_111 | LDSKVGGNYNYLYRL | peptide_112 | VGGNYNYLYRLFRKS |

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|-------------|------------------|-------------|------------------|
| peptide_113 | YNYLYRLFRKSNLKP | peptide_114 | YRLFRKSNLKPFERD |
| peptide_115 | RKSNLKPFERDISTE | peptide_116 | LKPFERDISTEIQQA |
| peptide_117 | ERDISTEIQAGSTP | peptide_118 | STEIQAGSTPCNGV |
| peptide_119 | YQAGSTPCNGVEGFN | peptide_120 | STPCNGVEGFNCYFP |
| peptide_121 | NGVEGFNCYFPLQSY | peptide_122 | GFNCYFPLQSYGFQP |
| peptide_123 | YFPLQSYGFQPTNGV | peptide_124 | QSYGFQPTNGVGYQP |
| peptide_125 | FQPTNGVGYQPYRWV | peptide_126 | NGVGYQPYRWVLSF |
| peptide_127 | YQPYRWVLSFELLH | peptide_128 | RWVLSFELLHAPAT |
| peptide_129 | LSFELLHAPATVCGP | peptide_130 | LLHAPATVCGPKKST |
| peptide_131 | PATVCGPKKSTNLVK | peptide_132 | CGPKKSTNLVKNKCV |
| peptide_133 | KSTNLVKNKCVNFNF | peptide_134 | LVKNKCVNFNFNGLT |
| peptide_135 | KCVNFNFNGLTGTGV | peptide_136 | FNFNGLTGTGVLTES |
| peptide_137 | GLTGTGVLTESNKKF | peptide_138 | TGVLTESNKKFLPFQ |
| peptide_139 | TESNKKFLPFQQFGR | peptide_140 | KKFLPFQQFGRDIAD |
| peptide_141 | PFQQFGRDIADTTDA | peptide_142 | FGRDIADTTDAVRDP |
| peptide_143 | IADTTDAVRDPQTLE | peptide_144 | TDAVRDPQTLEILDI |
| peptide_145 | RDPQTLEILDITPCS | peptide_146 | TLEILDITPCSFGGV |
| peptide_147 | LDITPCSFGGVSUIT | peptide_148 | PCSFGGVSUITPGTN |
| peptide_149 | GGVSUITPGTNTSNQ | peptide_150 | VITPGTNTSNQVAVL |
| peptide_151 | GTNTSNQVAVLYQDV | peptide_152 | SNQVAVLYQDVNCTE |
| peptide_153 | AVLYQDVNCTEVPVA | peptide_154 | QDVNCTEVPVAIHAD |
| peptide_155 | CTEVPVAIHADQLTP | peptide_156 | PVAIHADQLTPTWRV |
| peptide_157 | HADQLTPTWRVYSTG | peptide_158 | LTPTWRVYSTGSNVF |
| peptide_159 | WRVYSTGSNVFQTRA | peptide_160 | STGSNVFQTRAGCLI |
| peptide_161 | NVFQTRAGCLIGAEH | peptide_162 | TRAGCLIGAEHVNNS |
| peptide_163 | CLIGAEHVNNSYECD | peptide_164 | AEHVNNSYECDIPIG |
| peptide_165 | NNSYECDIPIGAGIC | peptide_166 | ECDIPIGAGICASYQ |
| peptide_167 | PIGAGICASYQTQTN | peptide_168 | GICASYQTQTNSPRR |
| peptide_169 | SYQTQTNSPRRARSV | peptide_170 | QTNSPRRARSVASQS |
| peptide_171 | PRRARSVASQSIIAY | peptide_172 | RSVASQSIIAYTMSL |
| peptide_173 | SQSIIAYTMSLGAEN | peptide_174 | IAYTMSLGAENSVAY |
| peptide_175 | MSLGAENSVAYSNNNS | peptide_176 | AENSVAYSNNNSIAIP |

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|-------------|-----------------|-------------|-----------------|
| peptide_177 | VAYSNNSIAIPTNFT | peptide_178 | NNSIAIPTNFTISVT |
| peptide_179 | AIPTNFTISVTTEIL | peptide_180 | NFTISVTTEILPVSM |
| peptide_181 | SVTTEILPVSMTKTS | peptide_182 | EILPVSMTKTSVDCT |
| peptide_183 | VSMTKTSVDCTMYIC | peptide_184 | KTSVDCTMYICGDST |
| peptide_185 | DCTMYICGDSTECSN | peptide_186 | YICGDSTECSNLLLQ |
| peptide_187 | DSTECSNLLLQYGSF | peptide_188 | CSNLLLQYGSFCTQL |
| peptide_189 | LLQYGSFCTQLNRAL | peptide_190 | GSFCTQLNRALTGIA |
| peptide_191 | TQLNRALTGIAVEQD | peptide_192 | RALTGIAVEQDKNTQ |
| peptide_193 | GIAVEQDKNTQEVFA | peptide_194 | EQDKNTQEVFAQVKQ |
| peptide_195 | NTQEVFAQVKQIYKT | peptide_196 | VFAQVKQIYKTPPIK |
| peptide_197 | VKQIYKTPPIKDFGG | peptide_198 | YKTPPIKDFGGFNFS |
| peptide_199 | PIKDFGGFNFSQILP | peptide_200 | FGGFNFSQILPDPSK |
| peptide_201 | NFSQILPDPSKPSKR | peptide_202 | ILPDPSKPSKRSFIE |
| peptide_203 | PSKPSKRSFIEDLLF | peptide_204 | SKRSFIEDLLFNKVT |
| peptide_205 | FIEDLLFNKVTLADA | peptide_206 | LLFNKVTLADAGFIK |
| peptide_207 | KVTLADAGFIKQYGD | peptide_208 | ADAGFIKQYGDCLGD |
| peptide_209 | FIKQYGDCLGDIAAR | peptide_210 | YGDCLGDIAARDLIC |
| peptide_211 | LGDIAARDLICAQKF | peptide_212 | AARDLICAQKFNGLT |
| peptide_213 | LICAQKFNGLTVLPP | peptide_214 | QKFNGLTVLPLLLTD |
| peptide_215 | GLTVLPLLLTDEMIA | peptide_216 | LPLLTDEMIAQYTS |
| peptide_217 | LTDEMIAQYTSALLA | peptide_218 | MIAQYTSALLAGTIT |
| peptide_219 | YTSALLAGTITSGWT | peptide_220 | LLAGTITSGWTFGAG |
| peptide_221 | TITSGWTFGAGAALQ | peptide_222 | GWTFGAGAALQIPFA |
| peptide_223 | GAGAALQIPFAMQMA | peptide_224 | ALQIPFAMQMAYRFN |
| peptide_225 | PFAMQMAYRFNGIGV | peptide_226 | QMAYRFNGIGVTQNV |
| peptide_227 | RFNGIGVTQNVLYEN | peptide_228 | IGVTQNVLYENQKLI |
| peptide_229 | QNVLYENQKLIANQF | peptide_230 | YENQKLIANQFNSAI |
| peptide_231 | KLIANQFNSAIGKIQ | peptide_232 | NQFNSAIGKIQDLSL |
| peptide_233 | SAIGKIQDLSLSTAS | peptide_234 | KIQDLSLSTASALGK |
| peptide_235 | SLSSTASALGKLQDV | peptide_236 | TASALGKLQDVVNQN |
| peptide_237 | LGKLQDVVNQNAQAL | peptide_238 | QDVVNQNAQALNTLV |
| peptide_239 | NQNAQALNTLVKQLS | peptide_240 | QALNTLVKQLSSNFG |

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|-------------|-----------------|-------------|-----------------|
| peptide_241 | TLVKQLSSNFGAISS | peptide_242 | QLSSNFGAISSVLND |
| peptide_243 | NFGAISSVLNDILSR | peptide_244 | ISSVLNDILSRLDKV |
| peptide_245 | LNDILSRLDKVEAEV | peptide_246 | LSRLDKVEAEVQIDR |
| peptide_247 | DKVEAEVQIDRLITG | peptide_248 | AEVQIDRLITGRLQS |
| peptide_249 | IDRLITGRLQSLQTY | peptide_250 | ITGRLQSLQTYVTQQ |
| peptide_251 | LQSLQTYVTQQLIRA | peptide_252 | QTYVTQQLIRAAEIR |
| peptide_253 | TQQLIRAAEIRASAN | peptide_254 | IRAAEIRASANLAAT |
| peptide_255 | EIRASANLAATKMSE | peptide_256 | SANLAATKMSECVLG |
| peptide_257 | AATKMSECVLGQSKR | peptide_258 | MSECVLGQSKRVDFC |
| peptide_259 | VLGQSKRVDFCGKGY | peptide_260 | SKRVDFCGKGYHLMS |
| peptide_261 | DFCGKGYHLMSFPQS | peptide_262 | KGYHLMSFPQSAPHG |
| peptide_263 | LMSFPQSAPHGWFVL | peptide_264 | PQSAPHGWFVLHVTY |
| peptide_265 | PHGVFVLHVTYVPAQ | peptide_266 | VFLHVTYVPAQEKNF |
| peptide_267 | VTYVPAQEKNFTTAP | peptide_268 | PAQEKNFTTAPAICH |
| peptide_269 | KNFTTAPAICHDGKA | peptide_270 | TAPAICHDGKAHFPR |
| peptide_271 | ICHDGKAHFPREGVF | peptide_272 | GKAHFPREGVFVSNG |
| peptide_273 | FPREGVFVSNGTHWF | peptide_274 | GVFVSNGTHWFVTQR |
| peptide_275 | SNGTHWFVTQRNFYE | peptide_276 | HWFVTQRNFYEPQII |
| peptide_277 | TQRNFYEPQIITTDN | peptide_278 | FYEPQIITDNTFVS |
| peptide_279 | QIITDNTFVSGNCD | peptide_280 | TDNTFVSGNCDWIG |
| peptide_281 | FVSGNCDWIGIVNN | peptide_282 | NCDWIGIVNNTVYD |
| peptide_283 | VIGIVNNTVYDPLQP | peptide_284 | VNNTVYDPLQPELDS |
| peptide_285 | VYDPLQPELDSFKEE | peptide_286 | LQPELDSFKEELDKY |
| peptide_287 | LDSFKEELDKYFKNH | peptide_288 | KEELDKYFKNHTSPD |
| peptide_289 | DKYFKNHTSPDVLDG | peptide_290 | KNHTSPDVLDGDISG |
| peptide_291 | SPDVLDGDISGINAS | peptide_292 | DLGDISGINASVNI |
| peptide_293 | ISGINASVNIQKEI | peptide_294 | NASVNIQKEIDRLN |
| peptide_295 | VNIQKEIDRLNEVAK | peptide_296 | KEIDRLNEVAKNLNE |
| peptide_297 | RLNEVAKNLNESLID | peptide_298 | VAKNLNESLIDLQEL |
| peptide_299 | LNESLIDLQELGKYE | peptide_300 | LIDLQELGKYEQYIK |
| peptide_301 | QELGKYEQYIKWPWY | peptide_302 | KYEQYIKWPWYIWLG |
| peptide_303 | YIKWPWYIWLGFIAG | peptide_304 | PWYIWLGFIAGLIAI |

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|-------------|-----------------|-------------|-----------------|
| peptide_305 | WLGFIAGLIAIVMVT | peptide_306 | IAGLIAIVMVTIMLC |
| peptide_307 | IAIVMVTIMLCCMTS | peptide_308 | MVTIMLCCMTSCCSC |
| peptide_309 | MLCCMTSCCCLKGC | peptide_310 | MTSCCCLKGCSCG |
| peptide_311 | CSCLKGCSCGSCCK | peptide_312 | KGCCSCGSCCKFDED |
| peptide_313 | SCGSCCKFDEDDSEP | peptide_314 | CCKFDEDDSEPVKLG |
| peptide_315 | DEDDSEPVKGVKLH | peptide_316 | SEPVKGVKLHYT |
