Rev04
Update: Jun,15,2026

DATASHEET

SARS-CoV-2 Spike Glycoprotein-90% purity

Cat. No.: RP30027

Overview

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.

Properties

Source	SARSr-CoV (Severe Acute Respiratory Syndrome-related coronavirus 2) Spike glycoprotein
Gene ID	S
Length	1273 aa
Purity	90% (Major peak by ESI-MS is guaranteed to be peptide of interest - determined at 220 nm for each individual peptide).
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.

Sequence (one-letter-code)

Code	Sequence	Code	Sequence
peptide_1	MFVFLVLLPLVSSQC	peptide_2	LVLLPLVSSQCVNLT
peptide_3	PLVSSQCVNLTTRTQ	peptide_4	SQCVNLTTRTQLPPA
peptide_5	NLTTRTQLPPAYTNS	peptide_6	RTQLPPAYTNSFTRG
peptide_7	PPAYTNSFTRGVYYP	peptide_8	TNSFTRGVYYPDKVF
peptide_9	TRGVYYPDKVFRSSV	peptide_10	YYPDKVFRSSVLHST
peptide_11	KVFRSSVLHSTQDLF	peptide_12	SSVLHSTQDLFLPFF

peptide_13	HSTQDLFLPFFSNVT	peptide_14	DLFLPFFSNVTWFHA
peptide_15	PFFSNVTWFHAIHVS	peptide_16	NVTWFHAIHVSGTNG
peptide_17	FHAIHVSGTNGTKRF	peptide_18	HVSGTNGTKRFDNPV
peptide_19	TNGTKRFDNPVLPFN	peptide_20	KRFDNPVLPFNDGVY
peptide_21	NPVLPFNDGVYFAST	peptide_22	PFNDGVYFASTEKSN
peptide_23	GVYFASTEKSNIIRG	peptide_24	ASTEKSNIIRGWIFG
peptide_25	KSNIIRGWIFGTTLD	peptide_26	IRGWIFGTTLDSKTQ
peptide_27	IFGTTLDSKTQSLLI	peptide_28	TLDSKTQSLLIVNNA
peptide_29	KTQSLLIVNNATNVV	peptide_30	LLIVNNATNVVIKVC
peptide_31	NNATNVVIKVCEFQF	peptide_32	NVVIKVCEFQFCNDP
peptide_33	KVCEFQFCNDPFLGV	peptide_34	FQFCNDPFLGVYYHK
peptide_35	NDPFLGVYYHKNNKS	peptide_36	LGVYYHKNNKSWMES
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
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	LPIGINITRFQTLLA
peptide_59	INITRFQTLLALHRS	peptide_60	RFQTLLALHRSYLTP
peptide_61	LLALHRSYLTPGDSS	peptide_62	HRSYLTPGDSSSGWT
peptide_63	LTPGDSSSGWTAGAA	peptide_64	DSSSGWTAGAAAYYV
peptide_65	GWTAGAAAYYVGYLQ	peptide_66	GAAAYYVGYLQPRTF
peptide_67	YYVGYLQPRTFLLKY	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	SIVRFPNITNLCPFG
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	YSVLYNSASFSTFKC
peptide_93	YNSASFSTFKCYGVS	peptide_94	SFSTFKCYGVSPTKL
peptide_95	FKCYGVSPTKLNDLC	peptide_96	GVSPTKLNDLCFTNV
peptide_97	TKLNDLCFTNVYADS	peptide_98	DLCFTNVYADSFVIR
peptide_99	TNVYADSFVIRGDEV	peptide_100	ADSFVIRGDEVRQIA
peptide_101	VIRGDEVRQIAPGQT	peptide_102	DEVRQIAPGQTGKIA
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
peptide_113	YNYLYRLFRKSNLKP	peptide_114	YRLFRKSNLKPFERD
peptide_115	RKSNLKPFERDISTE	peptide_116	LKPFERDISTEIYQA
peptide_117	ERDISTEIYQAGSTP	peptide_118	STEIYQAGSTPCNGV
peptide_119	YQAGSTPCNGVEGFN	peptide_120	STPCNGVEGFNCYFP
peptide_121	NGVEGFNCYFPLQSY	peptide_122	GFNCYFPLQSYGFQP
peptide_123	YFPLQSYGFQPTNGV	peptide_124	QSYGFQPTNGVGYQP
peptide_125	FQPTNGVGYQPYRVV	peptide_126	NGVGYQPYRVVVLSF
peptide_127	YQPYRVVVLSFELLH	peptide_128	RVVVLSFELLHAPAT
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	LDITPCSFGGVSVIT	peptide_148	PCSFGGVSVITPGTN

peptide_149	GGVSVITPGTNTSNQ	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	MSLGAENSVAYSNNS	peptide_176	AENSVAYSNNSIAIP
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	QKFNGLTVLPPLLTD
peptide_215	GLTVLPPLLTDEMIA	peptide_216	LPPLLTDEMIAQYTS

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	NQFNSAIGKIQDSLS
peptide_233	SAIGKIQDSLSSTAS	peptide_234	KIQDSLSSTASALGK
peptide_235	SLSSTASALGKLQDV	peptide_236	TASALGKLQDVVNQN
peptide_237	LGKLQDVVNQNAQAL	peptide_238	QDVVNQNAQALNTLV
peptide_239	NQNAQALNTLVKQLS	peptide_240	QALNTLVKQLSSNFG
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	LMSFPQSAPHGVVFL	peptide_264	PQSAPHGVVFLHVTY
peptide_265	PHGVVFLHVTYVPAQ	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	FYEPQIITTDNTFVS
peptide_279	QIITTDNTFVSGNCD	peptide_280	TDNTFVSGNCDVVIG
peptide_281	FVSGNCDVVIGIVNN	peptide_282	NCDVVIGIVNNTVYD
peptide_283	VIGIVNNTVYDPLQP	peptide_284	VNNTVYDPLQPELDS

peptide_285	VYDPLQPELDSFKEE	peptide_286	LQPELDSFKEELDKY
peptide_287	LDSFKEELDKYFKNH	peptide_288	KEELDKYFKNHTSPD
peptide_289	DKYFKNHTSPDVDLG	peptide_290	KNHTSPDVDLGDISG
peptide_291	SPDVDLGDISGINAS	peptide_292	DLGDISGINASVVNI
peptide_293	ISGINASVVNIQKEI	peptide_294	NASVVNIQKEIDRLN
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
peptide_305	WLGFIAGLIAIVMVT	peptide_306	IAGLIAIVMVTIMLC
peptide_307	IAIVMVTIMLCCMTS	peptide_308	MVTIMLCCMTSCCSC
peptide_309	MLCCMTSCCSCLKGC	peptide_310	MTSCCSCLKGCCSCG
peptide_311	CSCLKGCCSCGSCCK	peptide_312	KGCCSCGSCCKFDED
peptide_313	SCGSCCKFDEDDSEP	peptide_314	CCKFDEDDSEPVLKG
peptide_315	DEDDSEPVLKGVKLH	peptide_316	SEPVLKGVKLHYT

Please note that we do not provide HPLC and MS reports for each individual peptide within our peptide library products.

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China