

**SARS-CoV-2 Spike Glycoprotein B.1.617.1-Kappa****Cat. No.:** RP30031

Store at -20°C.

**Size:** 2 Vials (25 µg/ peptide)**Note:****Source:**

Severe Acute Respiratory Syndrome-related coronavirus 2 (Spike B.1.617.1) Spike glycoprotein (covering the following mutations: T0095I, G0142D, E0154K, L0452R, E0484Q, D0614G, P0681R and Q1071H).

The peptides of this product are supplied as trifluoroacetate salts.

**Description:**

This pool is delivered in two subpools of 158 & 158 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Spike glycoprotein of SARS-CoV-2 B.1.617.1 (Severe Acute Respiratory Syndrome-related coronavirus 2, Lineage B.1.617.1, India, Kappa) covering the following mutations: T0095I, G0142D, E0154K, L0452R, E0484Q, D0614G, P0681R and Q1071H.

**Gene ID:** S**Length:** 1273 aa**Purity:**

Crude (Major peak by ESI-MS is guaranteed to be peptide of interest - determined at 220 nm for each individual peptide).

**Storage:**

\*For Non-Clinical Research Use Only \*

**Sequence (one-letter-code)**

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	NVTWFHAIHVS GTNG
peptide_17	FHAIHVS GTNGTKRF
peptide_18	HVSGTNGTKRFDNPV
peptide_19	TNGTKRFDNPVLPFN
peptide_20	KRFDNPVLPFNDGVY
peptide_21	NPVLPFNDGVYFASI
peptide_22	PFNDGVYFASIEKSN
peptide_23	GVYFASIEKSNIRG
peptide_24	ASIEKSNIRGWIFG
peptide_25	KSNIIRGWIFGTLLD
peptide_26	IRGWIFGTLLD SKTQ
peptide_27	IFGTLLD SKTQSLLI
peptide_28	TLDSKTQSLLIVNNA
peptide_29	KTQSLLIVNNATNVV
peptide_30	LLIVNNATNVVIKVC
peptide_31	NNATNVVIKVCEFQF
peptide_32	NVVIKVCEFQFCNDP
peptide_33	KVCEFQFCNDPFLDV
peptide_34	FQFCNDPFLDVYYHK
peptide_35	NDPFLDVYYHKNNKS
peptide_36	LDVYYHKNNKSWMKS
peptide_37	YHKNNKSWMKSEFRV
peptide_38	NKSWMKSEFRVYSSA
peptide_39	MKSEFRVYSSANNCT
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	PINLVRDLPQGFSALE
peptide_54	VRDLPQGFSALEPLV
peptide_55	PQGFSALEPLVDLPI
peptide_56	SALEPLVDLPIGINI
peptide_57	PLVDLPIGINITRFQ
peptide_58	LPIGINITRFQTLA
peptide_59	INITRFQTLALHRS
peptide_60	RFQTLALHRSYLTP
peptide_61	LLALHRSYLTPGDSS
peptide_62	HRSYLTPGDSSSGWT
peptide_63	LTPGDSSSGWTAGAA
peptide_64	DSSSGWTAGAAAYYV
peptide_65	GWTAGAAAYYVGYLQ
peptide_66	GAAAYYVGYLQPRTF
peptide_67	YYVGYLQPRTFLLKY
peptide_68	YLQPRTFLLKY NENG
peptide_69	RTFLLY NENGTITD
peptide_70	LKY NENGTITDAVDC
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	CVADYSVLYNSASF
peptide_92	YSVLYNSASFSTFKC
peptide_93	YNSASFSTFKCYGVS
peptide_94	SFSTFKCYGVSPTKL
peptide_95	FKCYGVSPTKLNLC
peptide_96	GVSPTKLNLCFTNV
peptide_97	TKLNLCFTNVYADS
peptide_98	DLCFTNVYADSFVIR
peptide_99	TNVYADSFVIRGDEV
peptide_100	ADSFVIRGDEVQRQA
peptide_101	VIRGDEVQRQIAPGQT
peptide_102	DEVQRQIAPGQTGKIA
peptide_103	QIAPGQTGKIADYNY
peptide_104	GQTGKIADYNYKLPD
peptide_105	KIADYNYKLPDDFTG
peptide_106	YNYKLPDDFTGCVIA
peptide_107	LPDDFTGCVIAWNSN
peptide_108	FTGCVIAWNSNNLDS
peptide_109	VIAWNSNNLDSKVG
peptide_110	NSNNLDSKVGNYNY
peptide_111	LDSKVGNYNYRYRL
peptide_112	VGGNYNYRYRLFRKS
peptide_113	YNYRYRLFRKSNLKP
peptide_114	YRLFRKSNLKPFRD
peptide_115	RKSNLKPFRDISTE
peptide_116	LKPFRDISTEIQQA
peptide_117	ERDISTEIQAGSTP
peptide_118	STEIQAGSTPCNGV
peptide_119	YQAGSTPCNGVQGFN
peptide_120	STPCNGVQGFNCYFP

peptide_121	NGVQGFNCYFPLQSY
peptide_122	GFNCYFPLQSYGFQP
peptide_123	YFPLQSYGFQPTNGV
peptide_124	QSYGFQPTNGVGYQP
peptide_125	FQPTNGVGYQPYRVV
peptide_126	NGVGYQPYRVVLSF
peptide_127	YQPYRVVLSFELLH
peptide_128	RVVLSFELLHAPAT
peptide_129	LSFELLHAPATVCGP
peptide_130	LLHAPATVCGPKKST
peptide_131	PATVCGPKKSTNLVK
peptide_132	CGPKKSTNLVKNCV
peptide_133	KSTNLVKNCVNFNF
peptide_134	LVKNCVNFNFNGLT
peptide_135	KCVNFNFNGLTGTGV
peptide_136	FNFGNGLTGTGVLTE
peptide_137	GLTGTGVLTESNKKF
peptide_138	TGVLTESNKKFLPFQ
peptide_139	TESNKKFLPFQFGR
peptide_140	KKFLPFQFGRDIAD
peptide_141	PFQFGRDIADTTDA
peptide_142	FGRDIADTTDAVRDP
peptide_143	IADTTDAVRDPQTL
peptide_144	TDAVRDPQTLILDI
peptide_145	RDPQTLILDITPCS
peptide_146	TLEILDITPCSFQGV
peptide_147	LDITPCSFQGVSVIT
peptide_148	PCSFQGVSVITPGTN
peptide_149	GGVSVITPGTNTSNQ
peptide_150	VITPGTNTSNQVAVL
peptide_151	GTNTSNQVAVLYQGV
peptide_152	SNQVAVLYQGVNCTE
peptide_153	AVLYQGVNCTEVPVA
peptide_154	QGVNCTEVPVAIHAD
peptide_155	CTEVPVAIHADQLTP
peptide_156	PVAIHADQLTPTWRV
peptide_157	HADQLTPTWRVYSTG
peptide_158	LTPTWRVYSTGSNVF
peptide_159	WRVYSTGSNVFQTRA
peptide_160	STGSNVFQTRAGCLI

peptide_161	NVFQTRAGCLIGAETH
peptide_162	TRAGCLIGAETHVNNNS
peptide_163	CLIGAETHVNNNSYECD
peptide_164	AETHVNNNSYECDIPIG
peptide_165	NNSYECDIPIGAGIC
peptide_166	ECDIPIGAGICASYQ
peptide_167	PIGAGICASYQTQTN
peptide_168	GICASYQTQTNRRRR
peptide_169	SYQTQTNRRRRARSV
peptide_170	QTNRRRRARSVASQS
peptide_171	RRRRARSVASQSIAY
peptide_172	RSVASQSIAYTMSL
peptide_173	SQSIAYTMSLGAEN
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	QKFNGLTVLPLLLTD
peptide_215	GLTVLPLLLTDEMA
peptide_216	LPLLLTDEMAQYTS
peptide_217	LTDEMAQYTSALLA
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	YENQKLIANQFNNSAI
peptide_231	KLIANQFNNSAIGKIQ
peptide_232	NQFNNSAIGKIQDLSL
peptide_233	SAIGKIQDLSLSSTAS
peptide_234	KIQDLSLSSTASALGK
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	ISSVLNDILSRDKV
peptide_245	LNDILSRDKVEAEV
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	PHGVVFLHVTYVPAH
peptide_266	VFLHVTYVPAHEKNF
peptide_267	VTYVPAHEKNFTTAP
peptide_268	PAHEKNFTTAPAICH
peptide_269	KNFTTAPAICHDGKA
peptide_270	TAPAICHDGKAHFPR
peptide_271	ICHDGKAHFPREGVF
peptide_272	GKAHFPREGVFVSN
peptide_273	FPREGVFVSNTHWF
peptide_274	GVFVSNTHWFTVQR
peptide_275	SNGTHWFTVQRNFYE
peptide_276	HWFVTVQRNFYEPQII
peptide_277	TQRNFYEPQIITTDN
peptide_278	FYEPQIITDNTFVS
peptide_279	QIITDNTFVSGNCD
peptide_280	TDNTFVSGNCDVIG

peptide_281	FVSGNCDVIGVNN
peptide_282	NCDVIGVNNNTVYD
peptide_283	VIGVNNNTVYDPLQP
peptide_284	VNNTVYDPLQPELDS
peptide_285	VYDPLQPELDSFKEE
peptide_286	LQPELDSFKEELDKY
peptide_287	LDSFKEELDKYFKNH
peptide_288	KEELDKYFKNHTSPD
peptide_289	DKYFKNHTSPVDLGD
peptide_290	KNHTSPVDLGDISG
peptide_291	SPVDLGDISGINAS
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	KYEQYIKWPWYIWL
peptide_303	YIKWPWYIWLGFIA
peptide_304	PWYIWLGFIAGLIAI
peptide_305	WLGFIAGLIAIVMVT
peptide_306	IAGLIAIVMVTIMLC
peptide_307	IAIVMVTIMLCCMTS
peptide_308	MVTIMLCCMTSCCSC
peptide_309	MLCCMTSCCCLKGC
peptide_310	MTSCCCLKGCCSCG
peptide_311	CCLKGCCSCGSCCK
peptide_312	KGCCSCGSCCKFDED
peptide_313	SCGSCCKFDEDDSEP
peptide_314	CCKFDEDDSEPVKLG
peptide_315	DEDDSEPVKLGVKLH
peptide_316	SEPVKLGVKLHYT