

SARS-CoV-2 Spike Glycoprotein-crude (B.1.1.529-Omicron)

Catalog No:	S-CP-P2010
Size:	2 Vials (25 µg/ peptide)
Source	SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) Spike glycoprotein. B.1.1.529-Omicron variation
Description:	This pool is delivered in two sub-pools of 158 & 157 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Spike glycoprotein of SARS-CoV-2 B.1.1.529 (Omicron) covering the following mutations: A67V, H69del, V70del, T95I, G142del, V143del, Y144del, Y145D, N211del, L212I, "EPE" insertion between 214R and 215D, G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H, T547K, D614G, H655Y, N679K, P681H, N764K, D796Y, N856K, Q954H, N969K, L981F.
Purity:	Crude (Major peak by ESI-MS is guaranteed to be peptide of interest - determined at 220 nm for each individual peptide).
Length:	1270AA
Storage:	Store at -20 °C

Elabscience Biotechnology Inc.

Website : www.elabscience.com

Technical Support : techsupport@elabscience.com Address :
14780 memorial drive, suite 216, houston, TX77079

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	DLFLPFFSNVTWFHV
peptide_15	PFFSNVTWFHVISGT
peptide_16	NVTWFHVISGTNGTK
peptide_17	FHVISGTNGTKRFDN
peptide_18	SGTNGTKRFDNPVLP
peptide_19	GTKRFDNPVLPFNDG
peptide_20	FDNPVLPFNDGVYFA
peptide_21	VLPFNDGVYFASIEK
peptide_22	NDGVYFASIEKSNI
peptide_23	YFASIEKSNIIRGWI
peptide_24	IEKSNIIRGWIFGTT
peptide_25	NIIRGWIFGTTLDSK
peptide_26	GWIFGTTLDSKTQSL
peptide_27	GTTLDSKTQSLLIVN
peptide_28	DSKTQSLLIVNNATN
peptide_29	QSLLIVNNATNVVIK
peptide_30	IVNNATNVVIKVCEF
peptide_31	ATNVVIKVCEFQFCN
peptide_32	VIKVCEFQFCNDPFL
peptide_33	CEFQFCNDPFLDHKN
peptide_34	FCNDPFLDHKNKSW
peptide_35	PFLDHKNKSWMESE
peptide_36	HKNNKSWMESEFRVY
peptide_37	KSWMESEFRVYSSAN
peptide_38	ESEFRVYSSANNCTF
peptide_39	RVYSSANNCTFEYVS
peptide_40	SANNCTFEYVSPFL

peptide_41	CTFEYVSPFLMDLE
peptide_42	YVSPFLMDLEGKQG
peptide_43	PFLMDLEGKQGNFKN
peptide_44	DLEGKQGNFKNLREF
peptide_45	KQGNFKNLREFVFKN
peptide_46	FKNLREFVFKNIDGY
peptide_47	REFVFKNIDGYFKIY
peptide_48	FKNIDGYFKIYSKHT
peptide_49	DGYFKIYSKHTPIIV
peptide_50	KIYSKHTPIIVREPE
peptide_51	KHTPIIVREPEDLPQ
peptide_52	IIVREPEDLPQGFS
peptide_53	EPEDLPQGFSALEPL
peptide_54	LPQGFSALEPLVDLP
peptide_55	FSALEPLVDLPIGIN
peptide_56	EPLVDLPIGINITRF
peptide_57	DLPIGINITRFQTL
peptide_58	GINITRFQTLALHR
peptide_59	TRFQTLALHRSYLT
peptide_60	TLLALHRSYLTGDS
peptide_61	LHRSYLTGDSSSGW
peptide_62	YLTPGDSSSGWTAGA
peptide_63	GDSSSGWTAGAAAY
peptide_64	SGWTAGAAAYVGYL
peptide_65	AGAAAYVGYLQPR
peptide_66	AYYVGYLQPRFLLK
peptide_67	GYLQPRFLLKYNEN
peptide_68	PRTFLLKYNENGTIT
peptide_69	LLKYNENGTITDAVD
peptide_70	NENGTITDAVDCALD
peptide_71	TITDAVDCALDPLSE
peptide_72	AVDCALDPLSETKCT
peptide_73	ALDPLSETKCTLKS
peptide_74	LSETKCTLKSFTVEK
peptide_75	KCTLKSFTVEKGIYQ
peptide_76	KSFTVEKGIYQTSNF
peptide_77	VEKGIYQTSNFRVQP
peptide_78	IYQTSNFRVQPTESE
peptide_79	SNFRVQPTESEIVRFP
peptide_80	VQPTESEIVRFPNITN

peptide_81	ESIVRFPNITNLCPF	peptide_121	AGFNCYFPLRSYSFR
peptide_82	RFPNITNLCPFDEVF	peptide_122	CYFPLRSYSFRPTYG
peptide_83	ITNLCPFDEVFNATR	peptide_123	LRSYSFRPTYGVGHQ
peptide_84	CPFDEVFNATRFASV	peptide_124	SFRPTYGVGHQPYRV
peptide_85	EVFNATRFASVYAWN	peptide_125	TYGVGHQPYRVVLS
peptide_86	ATRFASVYAWNKRRI	peptide_126	GHQPYRVVLSFELL
peptide_87	ASVYAWNKRKISNCV	peptide_127	YRVVLSFELLHAPA
peptide_88	AWNKRKISNCVADYS	peptide_128	VLSFELLHAPATVCG
peptide_89	KRISNCVADYSVLYN	peptide_129	ELLHAPATVCGPKKS
peptide_90	NCVADYSVLYNLAPF	peptide_130	APATVCGPKKSTNLV
peptide_91	DYSVLYNLAPFFTFK	peptide_131	VCGPKKSTNLVKNKC
peptide_92	LYNLAPFFTFKCYGV	peptide_132	KKSTNLVKNKCVNFN
peptide_93	APFFTFKCYGVSPTK	peptide_133	NLVKNKCVNFNENGL
peptide_94	TFKCYGVSPTKLNDL	peptide_134	NKCVNFNENGLKGTG
peptide_95	YGVSPTKLNDLCFTN	peptide_135	NFNENGLKGTGVLTE
peptide_96	PTKLNDLCFTNVYAD	peptide_136	NGLKGTGVLTESNKK
peptide_97	NDLCFTNVYADSFVI	peptide_137	GTGVLTESNKKFLPF
peptide_98	FTNVYADSFVIRGDE	peptide_138	LTESNKKFLPFQFG
peptide_99	YADSFVIRGDEVRQI	peptide_139	NKKFLPFQFGRDIA
peptide_100	FVIRGDEVRQIAPGQ	peptide_140	LPFQFGRDIADTTD
peptide_101	GDEVRQIAPGQTGNI	peptide_141	QFGRDIADTTDAVRD
peptide_102	RQIAPGQTGNIADYN	peptide_142	DIADTTDAVRDPQTL
peptide_103	PGQTGNIADYNYKLP	peptide_143	TTDAVRDPQTLIELD
peptide_104	GNIADYNYKLPDDFT	peptide_144	VRDPQTLIELDITPC
peptide_105	DYNYKLPDDFTGCVI	peptide_145	QTLIELDITPCSFEGG
peptide_106	KLPDDFTGCVIAWNS	peptide_146	ILDITPCSFEGGVSVI
peptide_107	DFTGCVIAWNSNKLD	peptide_147	TPCSFGGVSVITPGT
peptide_108	CVIAWNSNKLDSKVS	peptide_148	FGGVSVITPGTNTSN
peptide_109	WNSNKLDSKVSIGNYN	peptide_149	SVITPGTNTSNQVAV
peptide_110	KLDSKVSIGNYNYLYR	peptide_150	PGTNTSNQVAVLYQG
peptide_111	KVSGNYNYLYRLFRK	peptide_151	TSNQVAVLYQGVNCT
peptide_112	NYNYLYRLFRKSNLK	peptide_152	VAVLYQGVNCTEVPV
peptide_113	LYRLFRKSNLKPFER	peptide_153	YQGVNCTEVPVAIHA
peptide_114	FRKSNLKPFERDIST	peptide_154	NCTEVPVAIHADQLT
peptide_115	NLKPFERDISTEIQ	peptide_155	VPVAIHADQLTPTWR
peptide_116	FERDISTEIQAGNK	peptide_156	IHADQLTPTWRVYST
peptide_117	ISTEIQAGNKPCNG	peptide_157	QLTPTWRVYSTGNSV
peptide_118	IYQAGNKPCNGVAGF	peptide_158	TWRVYSTGNSVNFQTR
peptide_119	GNKPCNGVAGFNCYF	peptide_159	YSTGNSVNFQTRAGCL
peptide_120	CNGVAGFNCYFPLRS	peptide_160	SNVNFQTRAGCLIGAE

peptide_161	QTRAGCLIGAEYVNN	peptide_201	QILPDPSKPSKRSFI
peptide_162	GCLIGAEYVNNSEYEC	peptide_202	DPSKPSKRSFIEDLL
peptide_163	GAEYVNNSEYECDIPI	peptide_203	PSKRSFIEDLLFNKV
peptide_164	VNNSEYECDIPIGAGI	peptide_204	SFIEDLLFNKVTLAD
peptide_165	YECDIPIGAGICASY	peptide_205	DLLFNKVTLADAGFI
peptide_166	IPIGAGICASYQTQT	peptide_206	NKVTLADAGFIKQYG
peptide_167	AGICASYQTQTKSHR	peptide_207	LADAGFIKQYGDCLG
peptide_168	ASYQTQTKSHRRARS	peptide_208	GFIKQYGDCLGDIAA
peptide_169	TQTKSHRRARSVASQ	peptide_209	QYGDCLGDIAARDLI
peptide_170	SHRRARSVASQSIIA	peptide_210	CLGDIAARDLICAQK
peptide_171	ARSVASQSIIAYTMS	peptide_211	IAARDLICAQKFKGL
peptide_172	ASQSIIAYTMSLGAE	peptide_212	DLICAQKFKGLTVLP
peptide_173	IIAYTMSLGAENSV	peptide_213	AQKFKGLTVLPPLLT
peptide_174	TMSLGAENSVAYSNN	peptide_214	KGLTVLPPLLTDEMI
peptide_175	GAENSVAYSNNNSIAI	peptide_215	VLPPLLTDEMIAQYT
peptide_176	SVAYSNNNSIAIPTNF	peptide_216	LLTDEMIAQYTSALL
peptide_177	SNNNSIAIPTNFTISV	peptide_217	EMIAQYTSALLAGTI
peptide_178	IAIPTNFTISVTTEI	peptide_218	QYTSALLAGTITSGW
peptide_179	TNFTISVTTEILPVS	peptide_219	ALLAGTITSGWTFGA
peptide_180	ISVTTEILPVSMTKT	peptide_220	GTITSGWTFGAGAAL
peptide_181	TEILPVSMTKTSVDC	peptide_221	SGWTFGAGAALQIPF
peptide_182	PVSMKTSVDCTMYI	peptide_222	FGAGAALQIPFAMQM
peptide_183	TKTSVDCTMYICGDS	peptide_223	AALQIPFAMQMAYRF
peptide_184	VDCTMYICGDSTECS	peptide_224	IPFAMQMAYRFNGIG
peptide_185	MYICGDSTECSNLLL	peptide_225	MQMAYRFNGIGVTQN
peptide_186	GDSTECSNLLQYGS	peptide_226	YRFNGIGVTQNVLYE
peptide_187	ECSNLLQYGSFCTQ	peptide_227	GIGVTQNVLYENQKL
peptide_188	LLQYGSFCTQLKRA	peptide_228	TQNVLYENQKLIANQ
peptide_189	YGSFCTQLKRALTGI	peptide_229	LYENQKLIANQFNSA
peptide_190	CTQLKRALTGIAVEQ	peptide_230	QKLIANQFNSAIGKI
peptide_191	KRALTGIAVEQDKNT	peptide_231	ANQFNSAIGKIQDSL
peptide_192	TGIAVEQDKNTQEVF	peptide_232	NSAIGKIQDSLSSSTA
peptide_193	VEQDKNTQEVFAQVK	peptide_233	GKIQDSLSSSTASALG
peptide_194	KNTQEVFAQVKQIYK	peptide_234	DSLSSSTASALGKLQD
peptide_195	EVFAQVKQIYKTPPI	peptide_235	STASALGKLQDVVNH
peptide_196	QVKQIYKTPPIKYFG	peptide_236	ALGKLQDVVNHNAQA
peptide_197	IYKTPPIKYFGGFNF	peptide_237	LQDVVNHNAQALNTL
peptide_198	PPIKYFGGFNFSQIL	peptide_238	VNHNAQALNTLVKQL
peptide_199	YFGGFNFSQILPDPS	peptide_239	AQALNTLVKQLSSKF
peptide_200	FNFSQILPDPSKPSK	peptide_240	NTLVKQLSSKFGAIS

peptide_241	KQLSSKFGAISSVLN	peptide_281	GNCDVVIGIVNNTVY
peptide_242	SKFGAISSVLNDIFS	peptide_282	VVIGIVNNTVYDPLQ
peptide_243	AISSVLNDIFSRLDK	peptide_283	IVNNTVYDPLQPELD
peptide_244	VLNDIFSRLDKVEAE	peptide_284	TVYDPLQPELDSFKE
peptide_245	IFSRLDKVEAEVQID	peptide_285	PLQPELDSFKEELDK
peptide_246	LDKVEAEVQIDRLIT	peptide_286	ELDSFKEELDKYFKN
peptide_247	EAEVQIDRLITGRLQ	peptide_287	FKEELDKYFKNHTSP
peptide_248	QIDRLITGRLQSLQT	peptide_288	LDKYFKNHTSPDVDL
peptide_249	LITGRLQSLQTYVTQ	peptide_289	FKNHTSPDVDLGDIS
peptide_250	RLQSLQTYVTQQLIR	peptide_290	TSPDVDLGDISGINA
peptide_251	LQTYVTQQLIRAAEI	peptide_291	VDLGDISGINASVVN
peptide_252	VTQQLIRAAEIRASA	peptide_292	DISGINASVVNIQKE
peptide_253	LIRAAEIRASANLAA	peptide_293	INASVVNIQKEIDRL
peptide_254	AEIRASANLAATKMS	peptide_294	VVNIQKEIDRLNEVA
peptide_255	ASANLAATKMSECVL	peptide_295	QKEIDRLNEVAKNLN
peptide_256	LAATKMSECVLGQSK	peptide_296	DRLNEVAKNLNESLI
peptide_257	KMSECVLGQSKRVDF	peptide_297	EVAKNLNESLIDLQE
peptide_258	CVLGQSKRVDFCGKG	peptide_298	NLNESLIDLQELGKY
peptide_259	QSKRVDFCGKGYHLM	peptide_299	SLIDLQELGKYEQYI
peptide_260	VDFCGKGYHLMSPFQ	peptide_300	LQELGKYEQYIKWPW
peptide_261	GKGYHLMSPFQSAPH	peptide_301	GKYEQYIKWPWYIWL
peptide_262	HLMSFPQSAPHGVVF	peptide_302	QYIKWPWYIWLGFIA
peptide_263	FPQSAPHGVVFLHVT	peptide_303	WPWYIWLGFIAGLIA
peptide_264	APHGVVFLHVTYVPA	peptide_304	IWLGFIAGLIAIVMV
peptide_265	VVFLHVTYVPAQEKN	peptide_305	FIAGLIAIVMVTIML
peptide_266	HVTYVPAQEKNFTTA	peptide_306	LIAIVMVTIMLCCMT
peptide_267	VPAQEKNFTTAPAIC	peptide_307	VMVTIMLCCMTSCCS
peptide_268	EKNFTTAPAICHGDK	peptide_308	IMLCCMTSCCSCLKG
peptide_269	TTAPAICHGDKAHFP	peptide_309	CMTSCCSCLKGCCSC
peptide_270	AICHGDKAHFPREGV	peptide_310	CCSCLKGCCSCGSCC
peptide_271	DGKAHFPREGVVFVSN	peptide_311	LKGCCSCGSCCKFDE
peptide_272	HFPREGVVFVSNGTHW	peptide_312	CSCGSCCKFDEDDSE
peptide_273	EGVVFVSNGTHWFVTQ	peptide_313	SCCKFDEDDSEPVLK
peptide_274	VSNGTHWFVTQRNFY	peptide_314	FDEDDSEPVLKGVKL
peptide_275	THWFVTQRNFYEPQI	peptide_315	DSEPVLKGVKLHYT
peptide_276	VTQRNFYEPQIITTD		
peptide_277	NFYEPQIITTDNTFV		
peptide_278	PQIITTDNTFVSGNC		
peptide_279	TTDNTFVSGNCDVVI		
peptide_280	TFVSGNCDVVIGIVN		