

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike JN.1 v2)
Label name: SARS-CoV-2 (Spike JN.1 v2)
Product code: PM-SARS2-SMUT22-1
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)
 Lineage JN.1 (incl. R408S, E554K, w/o I670V)

Spike glycoprotein - contains mutation: ins16MPLF, T19I, R21T, L24del, P25del, P26del, A27S, S50L, H69del, V70del, V127F, G142D, Y144-, F157S, R158G, N211del, L212I, V213G, L216F, H245N, A264D, I332V, G339H, K356T, S371F, S373P, S375F, T376A, R403K, D405N, R408S, K417N, N440K, V445H, G446S, N450D, L452W, L455S, N460K, S477N, T478K, N481K, V483del, E484K, F486P, Q498R, N501Y, Y505H, E554K, A570V, D614G, P621S, H655Y, N679K, P681R, N764K, D796Y, S939F, Q954H, N969K, P1143L

Protein ID: -
Gene ID: S
No. of peptides: 315 peptides - 158+157 (15mers with 11 aa overlap)
Amount: 25 µg (approx. 15 nmol) / peptide (for stimulation of up to 2,5 x 10⁸ cells)
Length: 1269 aa

Sequence:

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MFVFLVLLPL VSSQCVMPFL NLITTTQSYT NSFTRGVYYP DKVFRSSVLH LTQDLFLPFF
SNVTWFHAI S GTNGTKRFDN PVLPPFNDGVY FASTEKSNI I RGWIFGTTLD SKTQSLIIVN
NATNVFIKVC EFQFCNDPFL DVYHKNNKSW MESESGVYSS ANNCTFEYVS QPFLMDLEGK
QGNFKNLREF VFKNIDGYFK IYSKHTPIIG RDFPQGFSAL EPLVDLPIGI NITRFQTLA
LNRSYLT PGD SSSGWTAGAA DYYVGYLQPR TFLLYKYNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNVT NLCPPHEVFVN ATRFASVYAW NRTRISNCVA
DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NVYADSFVIK GNEVSIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNKLDS KHSNGYDYWY RSFRKSKLKP FERDISTEYI QAGNKPCCKGK
GPNCYFP LQS YGFRPTYGVG HQPYRVVVL S FELLHAPATV CGPKKSTNLV KNCVCVNFNFN
GLTGTGLVTK SNKKFLPFQQ FGRDIVD TTD AVRDPQTLEI LDITPCSF GG VSVITPGTNT
SNQVAVLYQG VNCTEVSVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNNSEYEDI
PIGAGICASY QTQTKSRRRA RSVASQSI IA YTM SLGAENS VAYSNN SIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTEC SNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDP SKPSK RSFIEDLLFN KVT LADAGFI KQYGDCLGDI
AARDLICAQK FNGLTVLPPL LTDEMIAQYT SALLAGTITS GWTFGAGAAL QIPFAMQ MAY
RFNGIGVTQN VLYENQK LIA NQFN SAIGKI QDSL FSTASA LGKLQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLM SFPQ SAPHGVVFLH VTYVPAQEK N FTTAPAICH D
GKAHFPPREGV FVSN GTHWFV TQRNFYEPQI ITTDNTFVSG NCDVVIGIVN NTVYDPLQLE
LDSFK EELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIVMVTIML CCMTSCC SCL KGCCSCGSCC KFDEDDSEPV
LKGVKLHHT
  
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Purity: Research Plus Grade: each peptide is guaranteed to be main product (HPLC/MS)
Appearance: white to off-white lyophilisate
Cytotoxicity: No cytotoxic effects in resazurin-based cell viability assays with Jurkat cells.
Remark: The peptides of this product are supplied as freeze-dried trifluoroacetate salts. For research use only.

Storage conditions: Store at - 20°C.
Application protocol: <https://jpt.com/support-contact/resources/application-protocols/>

Use recommended within 6 months