

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike JN.1)
Label name: SARS-CoV-2 (Spike JN.1)
Product code: PM-SARS2-SMUT21-1
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)
 Lineage JN.1 (w/o R408S, E554K, incl. I670V)
 Spike glycoprotein - contains mutation: ins16MPLF, T19I, R21T, L24-, P25-, P26-, A27S, S50L, H69-, V70-, V127F, G142D, Y144-, F157S, R158G, N211-, L212I, V213G, L216F, H245N, A264D, I332V, G339H, K356T, S371F, S373P, S375F, T376A, R403K, D405N, K417N, N440K, V445H, G446S, N450D, L452W, L455S, N460K, S477N, T478K, N481K, V483-, E484K, F486P, Q498R, N501Y, Y505H, A570V, D614G, P621S, H655Y, I670V, N679K, P681R, N764K, D796Y, S939F, Q954H, N969K and 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:

```

MFVFLVLLPL VSSQCVMLPF NLITTTQSYT NSFTRGVYYP DKVFRSSVLH LTQDLFLPFF
SNVTWFHAIS GTNGTKRFDN PVLPPFNDGVY FASTEKSNI I RGWIFGTTLD SKTQSLIIVN
NATNVFIKVC EFQFCNDPFL DVYHKNNKSW MESESGVYSS ANNCTFEYVS QPFLMDLEGK
QGNFKNLREF VFKNIDGYFK IYSKHTPIIG RDFPQGFSAE EPLVDLPIGI NITRFQTLLE
LNRSYLTPGD SSSGWTAGAA DYYVGYLQPR TFLLKYNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNVT NLCPFHEVFN ATRFASVYAW NRTRISNCVA
DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NPYADSFVIK GNEVRQIAPG QTGNIADYNY
KLDDDFTGCV IAWNSNKLDS KHSGNYDYWY RSFRKSKLKP FERDISTEYI QAGNKPCCKG
GPNCYFPLQS YGFRPTYGVG HQPYRVVLS FELHAPATV CGPKKSTNLV KNKCVNFNFN
GLTGTGLVTE SNKKFLPFQD FGRDIVDITD AVRDPQTEI LDITPCSFEG VSVITPGTNT
SNQVAVLYQG VNCTEVSVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNNSEYECDI
PIGAGVCASY QTQTKSRRRA RSVASQSI IA YTMISLGAENS VAYSNNISIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTECSNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPSKPSK RSFIEDLLFN KVTLDAGFI KQYGDCLGDI
AARDLICAQK FNGLTVLPLP LTDEMIQYT SALLAGTITS GWTFGAGAAL QIPFAMQMAY
RFNGIGVTQN VLYENQKLI A NQFNASIGKI QDSLSTASA LGKLDQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLMSFPQ SAPHGVVFLH VTYVPAQEK FTTAPAICH
GKAHFPPREGV FVSNGTHWFV TQRNFYEPQI ITTDNTEFVSG NCDVVIGIVN NTVYDPLQLE
LDSFKEELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIVMVTIML CCMTSCCSCS KGCSCGSCC KFDDEDSEPV
LKGVKLLHYT
  
```

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