

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike KP.2)
Label name: SARS-CoV-2 (Spike KP.2)
Product code: PM-SARS2-SMUT23
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)
 Lineage KP.2
 Spike glycoprotein - contains mutation:
 ins16MPLF,T19I,R21T,L24del,P25del,P26del,A27S,S50L,H69del,V70del,V127F,G142D,Y144del,F157S,R158G,
 N211del,L212I,V213G,L216F,H245N,A264D,I332V,G339H,R346T,K356T,S371F,S373P,S375F,T376A,R403K,
 D405N,R408S,K417N,N440K,V445H,G446S,N450D,L452W,L455S,F456L,N460K,S477N,T478K,N481K,V483d
 el,E484K,F486P,Q498R,N501Y,Y505H,E554K,A570V,D614G,P621S,H655Y,N679K,P681R,N764K,D796Y,S939
 F,Q954H,N969K,V1104L,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
SNVTWFHAI S GTNGTKRFDN PVLPFNDGVY FASTEKSNI I RGWIFGTTLD SKTQSLLI V N
NATNVFIKVC EFQFCNDPFL DVYHKNNKSW MESESGVYSS ANNCTFEYVS QPFLMDLEGK
QGNFKNLREF VFKNIDGYFK IYSKHTPIIG RDFPQGFSAL EPLVDLPIGI NITRFQTLIA
LNRSYLTPGD SSSGWTAGAA DYYVGYLQPR TFLLYNENG TITDAVDCAL DPLSEKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNVT NLCPFHEVFN ATTFASVYAW NRTRISNCVA
DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NVYADSFVIK GNEVSIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNKLDS KHSGNYDYWY RSLRKSCLKP FERDISTEII Y QAGNKPKCKG
GPNCYFPLQS YGFRPTYGVG HQPYRVVVL S FELLHAPATV CGPKKSTNLV KNKCVNFENF
GLTGTGLVTK SNKKFLPFQQ FGRDIVD TTD AVRDPQTLEI LDITPCSFGG VSVITPGTNT
SNQVAVLYQG VNCTEVSVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNNSEYEDI
PIGAGICASY QTQTKSRRRA RSVASQSI I A YTM SLGAENS VAYSNN SIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTECNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPSPSK RSFIEDLLFN KVTLDAGFI KQYGDCLGDI
AARDLICAQK FNGLTVL PPL LTDEMIAQYT SALLAGTITS GWTFGAGAAL QIPFAMQMAY
RANGIGVTQN VLYENQKLI A NQFN SAI GKI QDSL FSTASA LGKLQDVVN H NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVTQQLIR AA EIRASANL
AATKMSECVL GQSKRVDFCG KGYHLMSFPQ SAPHGVVFLH VTYVPAQEK N FTTAPAICH D
GKAHFPREGV FVSN GTHWFL TQRNFYEPQI ITTDNTFVSG NCDVVIGIVN NTVYDPLQLE
LDSFKEELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWFP YIWLGF IAGL IAIVMVTIML CCMTSCC SCL KGCCSCGSCC KFDEDDSEPV
LKGVKLHYT
  
```

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

