

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike HK.3)  
**Label name:** SARS-CoV-2 (Spike HK.3)  
**Product code:** PM-SARS2-SMUT19-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)  
 Lineage HK.3  
 Spike glycoprotein - contains mutation: T19I, L24-, P25-, P26-, A27S, Q52H, V83A, G142D, Y144-, H146Q, Q183E, V213E, G252V, G339H, R346T, L368I, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, V445P, G446S, L455F, F456L, N460K, S477N, T478K, E484A, F486P, F490S, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K

**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 10<sup>8</sup> cells)

**Length:** 1269 aa

**Sequence:**

```

MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTHD LFLPFFSNVT
WFHAIHVSGT NGTKRFDNPA LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA
TNVVIKVECF QFCNDPFLDV YQKNNKSWME SEFRVYSSAN NCTFEYVSQP FLMDLEGKEG
NFKNLREFVF KNIDGYFKIY SKHTPINLER DLPQGFSALE PLVDLPIGIN ITRFQTLAL
HRSYLTPVDS SSGWTAGAAA YYVGYLQPRF FLLKYNENGT ITDAVDCALD PLSEKTKTLK
SFTVEKGIYQ TSNFRVQPTF SIVRFPNITN LCPFHVEVFNA TTFASVYAWN RKRISNCVAD
YSVIYNFAPF FAFKCYGVSP TKLNDLCFTN VYADSFVIRG NEVSQIAPGQ TGNADYNYK
LPDDFTGCVI AWNSNKLDSK PSGNYNYLYR FLRKSCLKPF ERDISTEIQY AGNKPCNGVA
GPNCYSPLQS YGFRPTYGVG HQPYRVVLS FELLHAPATV CGPKKSTNLV KNKCVNFNEN
GLTGTGVLTE SNKKFLPFQQ FGRDIADTTD AVRDPQTLEI LDITPCSFGG VSVITPGTNT
SNQVAVLYQG VNCTEVPVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNNSEYCDI
PIGAGICASY QTQTKSHRRA RSVASQSIIA YTMSLGAENS VAYSNNIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTECSNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPSKPSK RSFIEDLLFN KVTLADAGFI KQYGDCLGDI
AARDLICAQK FNGLTVLPPL LTDEMIAQYT SALLAGTITS GWTFGAGAAL QIPFAMQMAY
RFNGIGVTQN VLYENQKLIQ NQFNQSAIGKI QDSLSTASA LGKLQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLMSFPQ SAPHGVVFLH VTYVPAQEKV FTTAPAICHV
GKAHFPREGV FVSNQTHWV TQRNFYEPQI ITDNTFVSG NCDVVIGIVN NTVYDPLQPE
LDSFKEELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIMVMTIML CCMTSCCSCS 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**

