

**Product Data Sheet**

**Product:** PepMix SARS-CoV-2 (Spike BA.2.86)  
**Product code:** PM-SARS2-SMUT17-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)  
 Lineage BA.2.86  
 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, 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:** EPI\_ISL\_18096761 (GISAID)  
**Gene ID:** S  
**No. of peptides:** 315 peptides - 158 + 157 (Peptide Scan (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:**

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MFVFLVLLPL VSSQCVMPFL NLITTTQSYT NSFTRGVYYP DKVFRSSVLH LTQDLFLPFF
SNVTWFHAIS GTNGTKRFDN PVLPFNDGVY FASTEKSNI I RGWIFGTTL D SKTQSLIIVN
NATNVFIKVC EFQFCNDPFL DVYHKNNKSW MESESGVYSS ANNCTFEYVS QPFLMDLEGK
QGNFKNLREF VFKNIDGYFK IYSKHTPIIG RDFPQGFSAL EPLVDLPIGI NITRFQTL LA
LNRSYLT PGD SSSGWTAGAA DYYVGYLQPR TFLLYKNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNVT NLCPPHEVFN ATRFASVYAW NRTRISNCVA
DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NVYADSFVIK GNEVQRQIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNKLDS KHSGNYDYWY RLFKRKSLKP FERDISTEII Y QAGNKPCCKGK
GPNCYFPLQS YGFRPTYGVG HQPYRVVVL S FELLHAPATV CGPKKSTNLV KNKCVNFNFN
GLTGTGVLTE SNKKFLPFQQ FGRDIVD TTD AVRDPQTLEI LDITPCSFGG VSVITPGTNT
SNQVAVLYQG VNCTEVSVAI HADQLTPTWR VYSTGSNV FQ TRAGCLIGAE YVNN SYECDI
PIGAGVCASY QTQTKSRRRA RSVASQSI IA YTMSLGAENS VAYSNN SIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTEC SNLLL QYGSFCTQLK RALTGI AVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPSKPSK RSFIEDLLFN KVTLADAGFI KQYGDCLGDI
AARDLICAQK FNGLTVLPPL LTDEMI AQYT SALLAGTITS GWTFGAGAAL QIPFAMQ MAY
RFNGIGVTQN VLYENQKLI A NQFN SAIGKI QDSL FSTASA LGKLQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLM SFPQ SAPHGVVFLH VTYVPAQEK N FTTAPAICH D
GKAHFPPREGV FVSN GTHWFV TQRNFYEPQI ITTDNTFVSG NCDVVIGIVN NTVYDPLQLE
LDSFKEELDK YFKNHTSPDV DLGDISG I NA SVVNIQKEID RLNEVAKN LN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIVMVTIML CCMTSCC SCL KGCCSCGSCC KFD EDDSEPV
LKGVKLHYT
  
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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**

