

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike EG.5.1)  
**Product code:** PM-SARS2-SMUT16-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)  
 Lineage EG.5.1  
 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, 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 (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 VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSLVHSTHD LFLPFFSNVT
WFHAIHVSQT NGTKRFDNPA LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLLIIVNNA
TNVVIKVFCE QFCNDPFLDV YQKNNKSWME SEFRVYSSAN NCTFEYVSQP FLMDLEGKEG
NFKNLREFVF KNIDGYFKIY SKHTPINLER DLPQGFSALE PLVDLPIGIN ITRFQTLAL
HRSYLTPVDS SSGWTAGAAA YYVGYLQPR FLLKYNENGT ITDAVDCALD PLSEKCTLK
SFTVEKGIYQ TSNFRVQPT SIVRFPNITN LCPFHEVFNA TTFASVYAWN RKRISNCVAD
YSVIYNFAPF FAFKCYGVSP TKLNDLCFTN VYADSFVIRG NEVSQIAPGQ TGNADYNYK
LPDDFTGCVI AWNSNKLDSK PSGNYNYLYR LLRKSCLKPF ERDISTEIQ AGNKPCNGVA
GPNCYSPLQS YGFRPTYGVG HQPYRVVLS FELLHAPATV CGPKKSTNLV KNKCVNFNFN
GLTGTGVLTE SNKKFLPFQQ FGRDIADTTD AVRDPQTL EI LDITPCSF GG VSVITPGTNT
SNQVAVLYQG VNCTEVPVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNSYECDI
PIGAGICASY QTQTKSHRA RSVASQSI IA YTM SLGAENS VAYSNN SIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTECNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPSKPSK RSFIEDLLFN KVT LADAGFI KQYGDCLGDI
AARDLICAQK FNGLT VLPPL LTDEMIAQYT SALLAGTITS GWTFGAGAAL QIPFAMQMAY
RFNGIGVTQN VLYENQK LIA NQFNSAIGKI QDSLSTASA LGKLQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLMSFPQ SAPHGVVFLH VTYVPAQEK FTTAPAICH D
GKAHFPREGV FVSNGTHWFV TQRNFYEPQI ITTDNTFVSG NCDVVIGIVN NTVYDPLQPE
LDSFKEELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIMVMTIML CCMTSCCSCSCL KGCCSCGSCC KFDEDDSEPV
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**