

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike BF.7)  
**Label name:** PepMix SARS-CoV-2 (Spike BF.7)  
**Product code:** PM-SARS2-SMUT12-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-Related Coronavirus 2)  
 Lineage B.1.1.529, BF.7 Omicron sub-variant

Spike glycoprotein - contains mutation: T19I, L24-, P25-, P26-, A27S, H69-, V70-, G142D, V213G, G339D, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, L452R, S477N, T478K, E484A, F486V, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H and 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:** 1268 aa

**Sequence:**

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MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT
WFHAISGTNG TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSKTQ SLLIVNNATN
VVIKVCFFQF CNDPFLDVYY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN
FKNLREFVFK NIDGYFKIYS KHTPINLGRD LPQGFSALEP LVDLPIGINI TRFQTLALH
RSYLTPGDSS SGWTAGAAAY YVGYLQPRTF LLKYNENGTI TDAVDCALDP LSETKCTLKS
FTVEKGIYQT SNFRVQPTES IVRFPNITNL CPFDEVFNAT TFASVYAWNR KRISNCVADY
SVLYNFAPFF AFKCYGVSPT KLNDLCFTNV YADSFVIRGN EVSQIAPGQT GNIADYNYKL
PDDFTGCVIA WNSNKLDSKV GGNYNRYRL FRKSNLKPFE RDI STEIYQA GNKPCNGVAG
VNCYFPLQSY GFRPTYGVGH QPYRVVLSF ELLHAPATVC GPKKSTNLVK NKC VNFNFNG
LTGTGVLTES NKKFLPFQF GRDIADTTDA VRDPQTLEIL DITPCSFGGV SVITPGTNTS
NQVAVLYQGV NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGAEY VNNSYEC DIP
IGAGICASYQ TQTKSHRRAR SVASQSIIAY TMSLGAENSV AYSNNSIAIP TNFTISVTTE
ILPVSMTKTS VDCTMYICGD STECSNLLLQ YGSFCTQLKR ALTGIAVEQD KNTQEVFAQV
KQIYKTPPIK YFGGFNFSQI LPDPSKPSKR SFIEDLLFNK VTLADAGFIK QYGDCLGDIA
ARDLICAQKF NGLTVLPPLL TDEMIAQYTS ALLAGTITSG WTFGAGAALQ IPFAMQMAYR
FNGIGVTQNV LYENQKLIAN QFNSAIGKIQ DSLSSTASAL GKLQDVVNHN AQALNTLVKQ
LSSKFGAISS VLNDILSRLD KVEAEVQIDR LITGRLQSLQ TYVTQQLIRA AEIRASANLA
ATKMSECVLG QSKRVDFCGK GYHLMSFPQS APHGVVFLHV TYVPAQEKNF TTAPAICH DG
KAHFPREGVF VSNGTHWFVT QRNFYEPQII TTDNTFVSGN CDVVIGIVNN TVYDPLQPEL
DSFKEELDKY FKNHTSPDVD LGDISGINAS VVNIQKEIDR LNEVAKNLNE SLIDLQELGK
YEQYIKWPWY IWLGFIAGLI AIVMVTIMLC CMTSCCCLK GCCSCGSCCK FDEDDSEPV L
KGVKLHYT
  
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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**