

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike BQ.1.1)  
**Label name:** PepMix SARS-CoV-2 (Spike BQ.1.1)  
**Product code:** PM-SARS2-SMUT13-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-Related Coronavirus 2)  
 Lineage B.1.1.529, BQ.1.1 Omicron sub-variant

Spike glycoprotein - contains mutations T19I, L24-, P25-, P26-, A27S, H69-, V70- G142D, V213G, G339D, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, K444T, L452R, N460K, S477N, T478K, E484A, F486V, 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:** 1268 aa

**Sequence:**

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MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT
WFHAISGTNG TKRFDNPVLP FNDGVYFAST EKSNIIRGWI FGTTLDSKTQ SLLIVNNATN
VVIKVCVFQF CNDPFLDVVY HKNNKSWMES EFRVYSSANN CTFEYVSQPF LMDLEGKQGN
FKNLREFVFK NIDGYFKIYS KHTPINLGRD LPQGFSALEP LVDLPIGINI TRFQTLALH
RSYLTPGDSS SGWTAGAAA YVGYLQPRTF LLKYNENGTI TDAVDCALDP LSETKCTLKS
FTVEKGIYQT SNFRVQPTES IVRFPNITNL CPFDEFVNAT TFASVYAWN RKRISNCVADY
SVLYNFAPFF AFKCYGVSPT KLNDLCFTNV YADSFVIRGN EVSQIAPGQT GNIADYNYKL
PDDFTGCVIA WNSNKLDSTV GGNYNRYRRL FRKSKLKPFE RDISTEIQQA GNKPCNGVAG
VNCYFFPLQSY GFRPTYGVGH QPYRVVLSF ELLHAPATVC GPKKSTNLVK NKCVNFNFNG
LTGTGVLTES NKKFLPFQOF GRDIADTTDA VRDPQLEIL DITPCSFQGV SVITPGTNTS
NQVAVLYQGV NCTEVPVAIH ADQLTPTWRV YSTGSNVFQT RAGCLIGAEY VNNSYECDIP
IGAGICASYQ TQTKSHRRAR SVASQSI IAY TMSLGAENSV AYSNNSIAIP TNFTISVTE
ILPVSMTKTS VDCTMYICGD STECSNLLLQ YGSFCTQLKR ALTGIAVEQD KNTQEVFAQV
KQIYKTPPIK YFGGFNFSQI LPDPSKPSKR SFIEDLLFNK VTLADAGFIK QYGDCLDGIA
ARDLICAQKF NGLTVLPPLL TDEMIAQYTS ALLAGTITSG WTFGAGAALQ IPFAMQMAYR
FNGIGVTQNV LYENQKLIAN QFN SAIGKIQ DSLSTASAL GKLQDVVNHN AQA LNTLVKQ
LSSKFGAISS VLNDILSRDL KVEAEVQIDR LITGRQLSLQ TYVTQQLIRA AEIRASANLA
ATKMSECVLG QSKRVDFCGK GYHLMSFPQS APHGTVFLHV TYVPAQEKNF TTAPAICHDG
KAHFPPREGVF VSNGTHWFVT QRNFYEPQII TTDNTFVSGN CDVVIGIVNN TVYDPLQPEL
DSFKHEELDKY FKNHTSPDVD LGDISGINAS VVNIQKEIDR LNEVAKNLNE SLIDLQELGK
YEQYIKWPWY IWLGFIAGLI AIVMVTIMLC CMTSCCSCCK GCCSCGSCCK FDEDDSEPV L
KGVKLLHYT
  
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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**