

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike XBB.1.5)  
**Label name:** SARS-CoV-2 (Spike XBB.1.5)  
**Product code:** PM-SARS2-SMUT15-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)  
 Lineage B.1.1.529, XBB.1.5 Omicron sub-variant  
 Spike glycoprotein - contains mutation: T19I, L24-, P25-, P26-, A27S, V83A, G142D, Y144-, H146Q, Q183E, V213E, G252V, G339H, R346T, L368I, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, V445P, G446S, 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:**

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MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT
WFHAIHVSGT NGTKRFDNPA LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLILIVNNA
TNVVIKVECF QFCNDPFLDV YQKNNKSWME SEFRVYSSAN NCTFEYVSQP FLMDLEGKEG
NFKNLREFVF KNIDGYFKIY SKHTPINLER DLPQGFSALE PLVDLPIGIN ITRFQTLALL
HRSYLTPVDS SSGWTAGAAA YYVGYLQPRF FLLKYENGT ITDAVDCALD PLSEKCTKTLK
SFTVEKGIYQ TSNFRVQPTF SIVRFPNITN LCPFHVEVFNA TTFASVYAWN RKRISNVCVAD
YSVIYNFAPF FAFKCYGVSP TKLNDLCFTN VYADSFVIRG NEVSQIAPGQ TGNIADYNYK
LPDDFTGCVI AWNSNKLDK PSGNYNYLYR LFRKSKLKP EKDISTEIQ AGNKPCNGVA
GPNCYSPLQS YGFRPTYGVG HQPYRVVVL S FELLHAPATV CGPKKSTNLV KNKCVNFNFN
GLTGTGVLTE SNKKFLPFQ FGRDIADTTD AVRDPQLEI LDITPCSFQG VSVITPGTNT
SNQVAVLYQG VNCTEVPVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNNSEYEDI
PIGAGICASY QTQTKSHRRA RSVASQSIIA YTM SLGAENS VAYSNNIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTECSNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPKPSK RSFIEDLLFN KVTLDAGFI KQYGDCLGDI
AARDLICAQK FNGLTVLPPL LTDEMQAYT SALLAGTITS GWTFGAGAAL QIPFAMQMAI
RFNGIGVTQN VLYENQLIA NQFN SAIGKI QDSLSTASA LGKLQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRQLSL QTYVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLSFPQ SAPHGVVFLH VTYVPAQEK FTTAPAICH
GKAHFPPREGV FVSNTHWFV TQRNFYEPQI ITTDNTFVSG NCDVVIGIVN NTVYDPLQPE
LDSFKEELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIVMVTIML CCMTSCCSCS KGCSCGSCC KFDEDDSEPV
LKGVKLLHYT
  
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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**