

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 10⁸ cells)

Length: 1269 aa

Sequence:

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MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT
WFHAIHVSQT NGTKRFDNPA LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA
TNVVIKVECF QFCNDPFLDV YQKNNKSWME SEFRVYSSAN NCTFEYVSQP FLMDLGKKEG
NFKNLREFVF KNIDGYFKIY SKHTPINLER DLPQGFSALE PLVDLPIGIN ITRFQTLAL
HRSYLTPVDS SSGWTAGAAA YYVGYLQPRF FLLKYNENGT ITDAVDCALD PLSETKCTLK
SFTVEKGIYQ TSNFRVQPTF SIVRFPNITN LCPFHEVFNA TTFASVYAWN RKRISNCVAD
YSVIYNFAPF FAFKCYGVSP TKLNDLCFTN VYADSFVIRG NEVSQIAPGQ TGNADYNYK
LPDDFTGCVI AWNSNKLDSK PSGNYNYLYR LFRKSKLQPF ERDISTEIQY AGNKPCNGVA
GPNCYSPLQS YGFRPTYGVG HQPYRVVLS FELLHAPATV CGPKKSTNLV KNKCVNFNFN
GLTGTGVLTE SNKKFLPFQQ FGRDIADTTD AVRDPQTLEI LDITPCSFGG VSVITPGTNT
SNQVAVLYQG VNCTEVPVAI HADQLTPTWR VYSTGSNVFQ TRAGCLIGAE YVNNSEYCDI
PIGAGICASY QTQTKSHRRA RSVASQSIIA YTMSLGAENS VAYSNNIAI PTNFTISVTT
EILPVSMTKT SVDCTMYICG DSTECSNLLL QYGSFCTQLK RALTGIAVEQ DKNTQEVFAQ
VKQIYKTPPI KYFGGFNFSQ ILPDPSKPSK RSFIEDLLFN KVTLDAGFI KQYGDCLGDI
AARDLICAQK FNGLTVLPPL LTDEMIAQYT SALLAGTITS GWTFGAGAAL QIPFAMQMAY
RFNGIGVTQN VLYENQKLIQ NQFNSAIGKI QDSLSSTASA LGKLQDVVNH NAQALNTLVK
QLSSKFGAIS SVLNDILSRL DKVEAEVQID RLITGRLQSL QTYVTQQLIR AAEIRASANL
AATKMSECVL GQSKRVDFCG KGYHLMSFPQ SAPHGVVFLH VTYVPAQEKV FTTAPAICHD
GKAHFPREGV FVSNGTHWFV TQRNFYEPQI ITDNTFVSG NCDVVIGIVN NTVYDPLQPE
LDSFKEELDK YFKNHTSPDV DLGDISGINA SVVNIQKEID RLNEVAKNLN ESLIDLQELG
KYEQYIKWPW YIWLGFIAGL IAIMVMTIML CCMTSCCSCS 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