

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike BA.2.75.2)
Label name: PepMix SARS-CoV-2 (Spike BA.2.75.2)
Product code: PM-SARS2-SMUT14-1
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2)
 Lineage B.1.1.529, BA.2.75.2 Omicron sub-variant
 Spike glycoprotein - contains mutation: T19I, L24-, P25-, P26-, A27S, G142D, K147E, W152R, F157L, I210V, V213G, G257S, G339H, R346T, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, G446S, N460K, S477N, T478K, E484A, F486S, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K and D1199N

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: 1270 aa

Sequence:

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MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT
WFHAIHVSGT NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA
TNVVIKVECF QFCNDPFLDV YYHENNKSRM ESELRVYSSA NNCTFEYVSQ PFLMDLEGKQ
GNFKNLREFV FKNIDGYFKI YSKHTPVNLG RDLPGGFSAL EPLVDLPIGI NITRFQTLA
LHRSYLTPGD SSSSWTAGAA AYYVGYLQPR TFLLYKYNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFHEVFN ATTFASVYAW NRKRISNCVA
DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NVYADSFVIR GNEVSQIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNKLDS KVSGNYNYLY RLFKSKLKP FERDISTEIIY QAGNKPCNGV
AGSNCYFPLQ SYGFRPTYGV GHQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNE
NGLTGTGVLV ESNKKFLPFQ QFGRDIADTT DAVRDPQTL EILDITPCSFG GVSVITPGTN
TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EYVNNSEYCD
IPIGAGICAS YQTQTKSHRR ARSVASQSII AYTMSLGAEN SVAYSNNSIA IPTNFTISVT
TEILPVSMTK TSVDCCTMYIC GDSTECNLL LQYGSFCTQL KRALTGIAVE QDKNTQEVFA
QVKQIYKTPP IKYFGGFNFS QILPDPSPKPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD
IAARDLICAQ KFNGLTVLPP LLTDEMIAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA
YRFNGIGVTQ NVLYENQKLI ANQFNSAIGK IQDLSLSTAS ALGKLQDVVN HNAQALNTLV
KQLSSKFGAI SSVLNDILSR LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN
LAATKMSECV LGQSKRVDFC GKGHYLMSFP QSAPHGVVFL HVTYVPAQEK NFFTAPAICH
DGKAHFPREG VFVSNGTHWF VTQRNFYEPQ IITTDNTFVS GNCDVVIGIV NNTVYDPLQP
ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVVNIQKEI DRLNEVAKNL NESLINLQEL
GKYEQYIKWP WYIWLGFIA G LIAIVMVTIM LCCMTSCCSC LKGCCSCGSC CKFDEDDSEP
VLKGVKLLHYT
  
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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