

Product Data Sheet

Product: PepMix SARS-CoV-2 (Spike B.1.1.7 / Alpha)
Product code: PM-SARS2-SMUT01-1
Source: SARS-CoV-2 (Severe Acute Respiratory Syndrome-Related Coronavirus 2)
(Lineage B.1.1.7, Alpha Variant)
Spike glycoprotein - contains mutations H0069-, V0070-, Y0144-, N0501Y, A0570D, D0614G, P0681H, T0716I, S0982A, D1118H

Protein ID: n.a.

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: MFVFLVLLPL VSSQCVNLTT RTQLPPAYTN SFTRGVVYYPD KVFRSSVLHS TQDLFLPFFS
NVTWFHAISG TNGTKRFDNP VLPFNDGVYF ASTEKSNIIR GWIFGTTLDS KTQSLIVNN
ATNVVIVKVE FQFCNDPFLG VYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ
GNFKNLREFV FKNIDGYFKI YSKHTPINLV RDLPGGFSAL EPLVDLPIGI NITREQTLLA
LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYKYNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPPGVEFVN ATRFASVYAW NRKRISNCVA
DYSVLVNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVRQIAPG QTGKIADYNY
KLPDDFTGCV IAWNSNNLDS KVGGNVNYLY RLFKRSNLKP FERDI STEIY QAGSTPCNGV
EGFNCFYFPLQ SYGFQPTYGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF
NGLTGTGVLV ESNNKFLPFQ QFGRDIDDTT DAVRDPQTL EILDITPCSFG GVSVITPGTN
TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EHVNNSYEC
IPIGAGICAS YQTQTNSHRR ARSVASQSI AYTMSLGAEN SVAYSNNNSIA IPINFITISVT
TEILPVSMTK TSVDCCTMYIC GDSTECNLL LQYGSFCTQL NRALTGIAVE QDKNTQEVFA
QVKQIYKTPP IKDFGGFNFS QILPDPKSPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD
IAARDLICAQ KFNGLTVLPP LLTDEMLAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA
YRFNGIGVTQ NVLYENQKLI ANQFNSAIGK IQDLSLSTAS ALGKLQDVVN QNAQALNTLV
KQLSSNFCAI SSVLNDILAR LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN
LAATKMSECV LGQSKRVDFC GKGYHLMSFP QSAPHGCVFL HVTVYVPAQEK NFFTAPAICH
DGKAHFPPREG VFVSNGTWHF VTQRNFYEPQ IITHTNTFVS GNCDVVIGIV NNTVYDPLQP
ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVVNIQKEI DRLNEVAKNL NESLIDLQEL
GKYEQYIKWP WYIWLGFIAQ LIAIVMVTIM LCCMTSCCSC LKGCCSCGSC CKFDEDDSEF
VLKGVKLYHT

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