

Product Data Sheet

Product:	PepMix SARS-CoV-2 (Spike B.1.1.529 / BA.2 / Omicron)
Label name:	PepMix SARS-CoV-2 (Spike / BA.2 / Omicron)
Product code:	PM-SARS2-SMUT09-1
Source:	SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) (Lineage B.1.1.529 / BA.2 Omicron sub-variant) Spike glycoprotein - contains mutations T19I, L24-, P25-, P26-, A27S, G142D, V213G, G339D, S371F, S373P, S375F, T376A, D405N, R408S, K417N, N440K, S477N, T478K, E484A, Q493R, Q498R, N501Y, Y505H, D614G, H655Y, N679K, P681H, N764K, D796Y, Q954H, N969K
Protein ID:	-
Gene ID:	S
No. of peptides:	315 peptides - 158+157
Amount:	25 ug (approx. 15 nmol) / peptide for stimulation of 2,5 x 10 ⁸ cells
Length:	1270 aa
Sequence:	MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSLVHSTQD LFLPFFSNVT WFHAIHVSGT NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTTLDLSDK TQSLILIVNNA TNVVIKVECF QFCNDPFLDV YYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ GNFKNLREFV FKNIDGYFKI YSKHTPINLG RDLPGQFSAL EPLVDLPIGI NITRFQTLA LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYKYNENG TITDAVDCAL DPLSETKCTL KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFDEVFN ATRFASVYAW NRKRISNCVA DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NVYADSEFVIR GNEVSIQIAPG QTGNIADYNY KLPDDFTGCV IAWNSNKLDS KVGGNYNLY RLFKRSLNKP FERDISTEIIY QAGNKPCNGV AGFNCYFPLR SYGFRPTYGV GHQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVL T ESNKKFLPFQ QFGRDIADTT DAVRDPQTL E ILDTTPCSFG GVSVITPGTN TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EYVNNSEYEC IPIGAGICAS YQTQTKSHRR ARSVASQSI I AYTMSLGAEN SVAYSNNSIA IPTNFTISVT TEILPVSMTK TSV DCTMYIC GDSTEC SNLL LQYGSFCTQL KRALTGIAVE QDKNTQEVFA QVKQIYKTPP IKYFGGFNFS QILPDPSPKS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD IAARDLICAQ KFNGLTVLPP LLTDEMIAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA YRFNGIGVTQ NVLYENQKLI ANQFNSAIGK IQDLSLSTAS ALGKLQDVVN HNAQALNTLV KQLSSKFGAI SSVLNDILSR LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN LAATKMSECV LGQSKRVDFC GKGYHLSMFP QSAPHGVVFL HVTYVPAQEK NFFTAPAICH DGKAHFREG VVFSNGTHWF VTQRNFYEPQ IITTDNTFVS GNCDVVIGIV NNTVYDPLQP ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVVNIQKEI DRLNEVAKNL NESLIDLQEL GKYEQYIKWP WYIWLGFIA G LIAIVMVTIM LCCMTSCCSC LKGCSCGSC CKFDEDDSEP VLKGVKLHYT
Purity:	crude (major peak by LC-MS is guaranteed to be peptide of interest for each peptide)
Appearance:	white to off-white powder
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