

## Product Data Sheet

<b>Product:</b>	PepMix SARS-CoV-2 (Spike B.1.1.529 / BA.2 / Omicron)
<b>Label name:</b>	PepMix SARS-CoV-2 (S/BA.2/Omicron)
<b>Product code:</b>	PM-SARS2-SMUT09-1
<b>Source:</b>	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
<b>Protein ID:</b>	-
<b>Gene ID:</b>	S
<b>No. of peptides:</b>	315 peptides - 158+157 (15mers with 11 aa overlap)
<b>Amount:</b>	25 µg (approx. 15 nmol) / peptide (for stimulation of up to 2,5 x 10 <sup>8</sup> cells)
<b>Length:</b>	1270 aa
<b>Sequence:</b>	MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVVYDPKVF RSSLVHSTQD LFLPFFSNVT WFHAIHVSGT NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTLLDSK TQSLIIVNNA 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 NVYADSFVIR GNEVSIQIAPG QTGNIADYNY KLPDDFTGCV IAWNSNKLDS KVGGNYNLY RLFKRNSLKP FERDISTEYIY QAGNKPCNGV AGENCYFPLR SYGFRPTYGV GHQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVLV ESNKKFLPFQ QFGRDIADTT DAVRDPQTL EILDITPCSFG GVSVITPGTN TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EYVNSYECD IPIGAGICAS YQTQTKSHRR ARSVAQSII AYTMISLGAEN SVAYSNNNSIA IPTNFTISVT TEILPVSMTK TSVDCCTMYIC GDSTECNLL LQYGSFCTQL KRALTGIAVE QDKNTQEVFA QVKQIYKTPP IKYFGGFNFS QILPDPSKPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD IAARDLICAQ KFNGLTVLP LLDDEMIQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA YRENGIGVTQ NVLYENQKLI ANQFNSAIGK IQDLSLSTAS ALGKLDVVN HNAQALNTLV KQLSSKFGAI SSVLNDILSR LDKVEAEVQI DRLITGRLOS LQTYVTQQLI RAAEIRASAN LAATKMSECV LGQSKRVDFC GKGYHLSMFP QSAPHGVVFL HVTYVPAQEK NFFTAPAICH DGKAHFPPREG VFVSNTHWF VTQRNFYEPQ IITDNTFVS GNCDVVIGIV NNTVYDPLQP ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVVNIQKEI DRLNEVAKNL NESLIDLQEL GKYEQYIKWP WYIWLGFIAQ LIAIVMTIM LCCMTSCCSC LKGCSCGSC CKFDEDDSEF VLKGVKLHHT
<b>Purity:</b>	Research Plus Grade: each peptide is guaranteed to be main product (HPLC/MS)
<b>Appearance:</b>	white to off-white lyophilisate
<b>Cytotoxicity:</b>	No cytotoxic effects in resazurin-based cell viability assays with Jurkat cells.
<b>Remark:</b>	The peptides of this product are supplied as freeze-dried trifluoroacetate salts. For research use only.
<b>Storage conditions:</b>	Store at - 20°C
<b>Application protocol:</b>	<a href="https://jpt.com/support-contact/resources/application-protocols/">https://jpt.com/support-contact/resources/application-protocols/</a>

Use recommended within 6 months