

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike B.1.1.529 / BA.2 / Omicron) (>70%)  
**Label name:** PepMix SARS-CoV-2 (Spike / BA.2 / Omicron)  
**Product code:** PM-SARS2-SMUT09-2  
**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 (15mers with 11 aa overlap)  
**Amount:** 25 µg (approx. 15 nmol) / peptide (for stimulation of up to 2,5 x 10<sup>8</sup> cells)  
**Length:** 1270 aa

**Sequence:**

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MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVVYDPKVF RSSLVHSTQD LFLPFFSNVT
WFHAIHVSQT NGTKRFDNPV LPFNDGVYFA STEKSNIIIRG WIFGTTLDSK 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 GNEVSIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNKLDS KVGNYNYLY RLFKRKSNLKP 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 KFNGLTVLPV LLTDEMIQY 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
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**Purity:** Development Grade: each peptide purified to > 70% (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**