

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike B.1.1.529 / BA.2 / Omicron)  
**Label name:** PepMix SARS-CoV-2 (S/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 (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:**

```
MFVFLVLLPL VSSQCVNLIT RTQSYTNSFT RGVYYPDKVF RSSVLHSTQD LFLPFFSNVT
WFHAIHVSGT NGTKRFDNPV LPFNDGVYFA STEKSNIIRG WIFGTTLDSK TQSLIVNNA
TNVVIKVECF QFCNDPFLDV YYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ
GNFKNLREFV FKNIDGYFKI YSKHTPINLG RDLPGGFSAL EPLVDLPIGI NITRFQTLA
LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYKYNENG TITDAVDCAL DPLSETKCTL
KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFDEVFN ATRFASVYAW NRKRISNCVA
DYSVLYNFAP FFAFKCYGVS PTKLNDLCFT NVYADSFVIR GNEVSQIAPG QTGNIADYNY
KLPDDFTGCV IAWNSNKLDS KVGGNYNLY RLFKSNLKP FERDISTEYIY QAGNKPCNGV
AGFNCYFPLR SYGFRPTYGV GHQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF
NGLTGTGVL T ESNKKFLPFQ QFGRDIADTT DAVRDPQTL E ILDTPCSF G GVSVITPGTN
TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW RVYSTGSNVF QTRAGCLIGA EYVNSYECD
IPIGAGICAS YQTQTKSHRR ARSVASQSI I AYTM SLGAEN SVAYSNN SIA IPTNFTISVT
TEILPVSM TK TSV DCTMYIC GDSTEC SNLL LQYGSFCTQL KRALTG IAVE QDKNTQEVFA
QVKQIYKTPP IKYFGGFNFS QILPDP SKPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD
IAARDLICAQ KFNGLTVLPP LLTDEMIAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA
YRFNGIGVTQ NVLYENQKLI ANQFNSAIGK IQDLSLSTAS ALGKLQDVVN HNAQALNTLV
KQLSSKFGAI SSVLNDILSR LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN
LAATKMSECV LGQSKRVDFC GKG YHLM SFP QSAPHG VVFL HVTYVPAQEK NFTTAPAICH
DGKAHF PREG VFVSN GTHWF VTQRNFYEPQ IITTDN T FVS GNCDVVIGIV NNTVYDPLQP
ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVVNIQKEI DRLNEVAKNL NESLIDLQEL
GKYEQYIKWP WYIWLGF IAG LIAIVMVTIM LCCMTSCCSC LKGCCSCGSC CKFDEDDSEP
VLKGVK LHYT
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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**