

## Product Data Sheet

**Product:** PepMix SARS-CoV-2 (Spike B.1.617.1 / Kappa)  
**Product code:** PM-SARS2-SMUT05-1  
**Source:** SARS-CoV-2 (Severe Acute Respiratory Syndrome-Related Coronavirus 2)  
 (Lineage B.1.617.1, Kappa Variant)  
 Spike glycoprotein - contains mutations T0095I, G0142D, E0154K, L0452R, E0484Q, D0614G, P0681R, Q1071H

**Protein ID:** n.a.

**Gene ID:** S

**No. of peptides:** 315 peptides - 158+157 (15mers with 11 aa overlap + last peptide = 17mer)

**Amount:** 25 µg (approx. 15 nmol) / peptide (for stimulation of up to 2,5 x 10<sup>8</sup> cells)

**Length:** 1273 aa

**Sequence:**

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MFVFLVLLPL VSSQCVNLTT RTQLPPAYTN SFTRGVVYYPD KVFRSSVLHS TQDLFLPFFS
NVTWFHAIHV SGTNGTKRFD NPVLPFNDGV YFASIEKSNI IRGWIFGTTL DSKTQSLLIIV
NNATNVVIKV CEFQFCNDPF LDVYYHKNNK SWMKSEFRVY SSANNCTFEY VSQPFLMDLE
GKQGNFKNLR EFVFKNIDGY FKIYSKHTPI NLVRDLPPQGF SALEPLVDLP IGINITRFQT
LLALHRSYLT PGDSSSGWTA GAAAYVGYL QPRTFLLKYN ENGTITDAVD CALDPLSETK
CTLKSFTVEK GIYQTSNFRV QPTESIVRFP NITNLCPFGE VFNATRFASV YAWNKRKRISN
CVADYSVLYN SASFSTFKCY GVSPTKLNLD CFTNVYADSF VIRGDEVRFI APGQTGKIAD
YNYKLPDDFT GCVIAWNSNN LDSKVGNYN YRYRLFRKSN LKPFERDIST EIYQAGSTPC
NGVQGFNCYF PLQSYGFQPT NGVGYQPYRV VVLSFELLHA PATVCGPKKS TNLVKNKCVN
FNFNGLTGTG VLTESNKKFL PFQQFGRDIA DTTDAVRDPQ TLEILDITPC SFGGVSVITP
GTNTSNQVAV LYQGVNCTEV PVAIHADQLT PTWRVYSTGS NVFQTRAGCL IGAEHVNNNSY
ECDIPIGAGI CASYQTQTN SRRARSVASQ SIIAYTMSLG AENSVAYSNN SIAIPTNFTI
SVTTEILPVS MTKTSVDCTM YICGDSTEC S NLLQYGSFC TQLNRALTGI AVEQDKNTQE
VFAQVKQIYK TPPIKDFGGF NFSQILPDP S KPSKRSFIED LLFNKVTLAD AGFIKQYGDC
LGDIAARDLI CAQKFNGLTV LPPLLTDEMI AQYTSALLAG TITSGWTFGA GAALQIPFAM
QMAYRFNGIG VTQNVLYENQ KLIANQFNSA IGKIQDSLSS TASALGKLQD VVNQNAQALN
TLVKQLSSNF GAISSVLNDI LSRLDKVEAE VQIDRLITGR LQSLQTYVTQ QLIRAAEIRA
SANLAATKMS ECVLGQSKRV DFCGKGYHLM SFPQSAPHGV VFLHVTVYVPA HEKNFTTAPA
ICHDGKAHFP REGVFSNGT HWFVTQRNFY EPQIITDNT FVSGNCDVVI GIVNNTVYDP
LQPELDSFKE ELDKYFKNHT SPDVDLGDIS GINASVVNIQ KEIDRLNEVA KNLNESLIDL
QELGKYEQYI KWPWYIWLGF IAGLIAIVMV TIMLCCMTSC CSCLKGCCSC GSCCKFDEDD
SEFVLKGVKL HYT
  
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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**