

Rev01
Update: Dec,28,2022**DATASHEET**

SARS-CoV-2 ORF3a

Cat. No.: RP30012CN

Overview

Description	This pool includes 66 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Protein 3a (Protein ID: P0DTC3) of SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) for T cell assays.
Sequence	MDLFMRIFTIGTVTLKQGEIKDATPSDFVRATATIPIQASLPFGWLIVGVALLAVFQSASKIITLKKRWQL ALSKGVHFVCNLLLLFVTYSHLLLVAAGLEAPFLYLYALVYFLQSINFVRIIMRLWLCWKCRSKNPLLY DANYFLCWHTNCYDYCIPYNSVTSSIVITSGDGTTSPISEHDYQIGGYTEKWESGVKDCVVLHSYFTSD YYQLYSTQLSTDTGVEHVTFEYFNKIVDEPEEHVQIHTIDGSSGVNPNVMEPIYDEPTTTTSVPL

Properties

Purity	Crude
Solubility	Dissolve in a minimum amount of pure DMSO (approx. 40 µl) and dilute with PBS buffer to the final concentration. Please note that the final concentration of DMSO must be below 1 % (v/v) to avoid toxicity in the biological system.
Form	Lyophilized
Storage	Store at -20°C.
Note	The peptides of this product are supplied as trifluoroacetate salts

Applications

T-cell assays, Immune monitoring, Antigen specific T-cell stimulation, T-cell expansion, Cellular immune response

Sequence (one-letter-code)

Code	Sequence	Code	Sequence
peptide_1	MDLFMRIFTIGTVTL	peptide_2	MRIFTIGTVTLKQGE
peptide_3	TIGTVTLKQGEIKDA	peptide_4	VTLKQGEIKDATPSD

peptide_5	QGEIKDATPSDFVRA	peptide_6	KDATPSDFVRATATI
peptide_7	PSDFVRATATIPIQA	peptide_8	VRATATIPIQASLPF
peptide_9	ATIPIQASLPFGWLI	peptide_10	IQASLPFGWLIVGVA
peptide_11	LPFGWLIVGVALLAV	peptide_12	WLIVGVALLAVFQSA
peptide_13	GVALAVFQSASKII	peptide_14	LAVFQSASKIITLKK
peptide_15	QSASKIITLKKRWQL	peptide_16	KIITLKKRWQLALSK
peptide_17	LKKRWQLALSKGVHF	peptide_18	WQLALSKGVHFVCNL
peptide_19	LSKGVHFVCNLLLLF	peptide_20	VHFVCNLLLLFVTYV
peptide_21	CNLLLLFVTYVSHLL	peptide_22	LLFVTYVSHLLVAA
peptide_23	TVYSHLLVAAGLEA	peptide_24	HLLVAAGLEAPFLY
peptide_25	VAAGLEAPFLYLYAL	peptide_26	LEAPFLYLYALVYFL
peptide_27	FLYLYALVYFLQSIN	peptide_28	YALVYFLQSINFVRI
peptide_29	YFLQSINFVRIIMRL	peptide_30	SINFVRIIMRLWLCW
peptide_31	VRIIMRLWLCWKCRS	peptide_32	MRLWLCWKCRSKNPL
peptide_33	LCWKCRSKNPLLYDA	peptide_34	CRSKNPLLYDANYFL
peptide_35	NPLLYDANYFLCWHT	peptide_36	YDANYFLCWHTNCYD
peptide_37	YFLCWHTNCYDYCIP	peptide_38	WHTNCYDYCIPYNSV
peptide_39	CYDYCIPYNSVTSSI	peptide_40	CIPYNSVTSSIVITS
peptide_41	NSVTSSIVITSGDGT	peptide_42	SSIVITSGDGTTSPI
peptide_43	ITSGDGTTSPISEHD	peptide_44	DGTTSPISEHDYQIG
peptide_45	SPISEHDYQIGGYTE	peptide_46	EHDYQIGGYTEKWES
peptide_47	QIGGYTEKWESGVKD	peptide_48	YTEKWESGVKDCVVL
peptide_49	WESGVKDCVVLHSYF	peptide_50	VKDCVVLHSYFTSDY
peptide_51	VVLHSYFTSDYYQLY	peptide_52	SYFTSDYYQLYSTQL
peptide_53	SDYYQLYSTQLSTDT	peptide_54	QLYSTQLSTDTGVEH
peptide_55	TQLSTDTGVEHVTF	peptide_56	TDTGVEHVTFVIYK
peptide_57	VEHVTFVIYKIVDE	peptide_58	TFVIYKIVDEPEEH
peptide_59	YKIVDEPEEHVQIH	peptide_60	VDEPEEHVQIHTIDG
peptide_61	EEHVQIHTIDGSSGV	peptide_62	QIHTIDGSSGVNPNV
peptide_63	IDGSSGVNPNVMEPI	peptide_64	SGVNPNVMEPIYDEP
peptide_65	NPVMEPIYDEPTTTT	peptide_66	EPIYDEPTTTT SVPL