

Rev01  
Update: Dec,28,2022

**DATASHEET**

# SARS-CoV-2 ORF7a

Cat. No.: RP30016CN

## Overview

<b>Description</b>	This pool includes 28 peptides derived from a peptide scan (15mers with 11 aa overlap) through the entire Non-structural protein 7A (Protein ID: P0DTC7) of SARS-CoV-2 (Severe Acute Respiratory Syndrome-related coronavirus 2) for T cell assays.
<b>Sequence</b>	MKIILFLALITLATCELYHYQECVRGTTVLLKEPCSSGTYEGNSPFHPLADNKFALTCFSTQFAFACPD GVKHVYQLRARSVSPKLFIRQEEVQELYSPIFLIVAAIVFITLCFTLKRKTE

## Properties

<b>Purity</b>	Crude
<b>Solubility</b>	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
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C.
<b>Note</b>	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	MKIILFLALITLATC	peptide_2	LFLALITLATCELYH
peptide_3	LITLATCELYHYQEC	peptide_4	ATCELYHYQECVRGT
peptide_5	LYHYQECVRGTTVLL	peptide_6	QECVRGTTVLLKEPC
peptide_7	RGTTVLLKEPCSSGT	peptide_8	VLLKEPCSSGTYEGN
peptide_9	EPCSSGTYEGNSPFH	peptide_10	SGTYEGNSPFHPLAD
peptide_11	EGNSPFHPLADNKFA	peptide_12	PFHPLADNKFALTCF
peptide_13	LADNKFALTCFSTQF	peptide_14	KFALTCFSTQFAFAC
peptide_15	TCFSTQFAFACPDGV	peptide_16	TQFAFACPDGVKHVY
peptide_17	FACPDGVKHVYQLRA	peptide_18	DGVKHVYQLRARSVS
peptide_19	HVYQLRARSVSPKLF	peptide_20	LRARSVSPKLFIRQE
peptide_21	SVSPKLFIRQEEVQE	peptide_22	KLFIRQEEVQELYSP
peptide_23	RQEEVQELYSPIFLI	peptide_24	VQELYSPIFLIVAAI
peptide_25	YSPIFLIVAAIVFIT	peptide_26	FLIVAAIVFITLCFT
peptide_27	AAIVFITLCFTLKRK	peptide_28	FITLCFTLKRKTE