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SARS-CoV-2 ORF3a Peptide (EKWESGVKDCVVLHS)

Coronavirus Peptide
Catalog # VGP1147

Specification

SARS-CoV-2 ORF3a Peptide (EKWESGVKDCVVLHS) - Product Information

Sequence	**EKWESGVKDCVVLHS**
Purity	
>90% (HPLC-MS)	
Application	**Cellular immune response, T-cell expansion, Antigen specific T-cell stimulation, Immune monitoring, T-cell assays**
Primary Accession	P0DTC3

SARS-CoV-2 ORF3a Peptide (EKWESGVKDCVVLHS) - Additional Information

Gene ID	**43740569**

Other Names
ORF3a protein, Accessory protein 3a, Protein 3a, Protein U274, Protein X9

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SARS-CoV-2 ORF3a Peptide (EKWESGVKDCVVLHS) - Images

SARS-CoV-2 ORF3a Peptide (EKWESGVKDCVVLHS) - Background

SARS-CoV-2 infection induces a storm of cytokines in later stages of progression. The viral protein ORF3a activates the NLRP3 inflammasome via promotion of TNF receptor-associated factor 3 (TRAF3)-mediated ubiquitination of apoptosis-associated speck-like protein containing a caspase recruitment domain (ASC). ORF3a protein activates pro-IL-1β gene transcription and protein maturation, two signal essential to activation of the NLRP3 inflammasome.