

SARS-CoV-2 ORF3a Peptide (LPFGWLIVGVALLAV)
Coronavirus Peptide
Catalog # VGP1132**Specification**

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

Sequence	LPFGWLIVGVALLAV
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 (LPFGWLIVGVALLAV) - Additional Information

Gene ID	43740569
Other Names	ORF3a protein, Accessory protein 3a, Protein 3a, Protein U274, Protein X1

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 (LPFGWLIVGVALLAV) - Images**SARS-CoV-2 ORF3a Peptide (LPFGWLIVGVALLAV) - 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-1 β gene transcription and protein maturation, two signals essential to activation of the NLRP3 inflammasome.