

SARS-CoV-2 ORF3a Peptide (LVYFLQSINFVRIIM)
Coronavirus Peptide
Catalog # VGP1139

Specification

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

| | |
|---------------------------------|---|
| Sequence | LVYFLQSINFVRIIM |
| 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 (LVYFLQSINFVRIIM) - 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 (LVYFLQSINFVRIIM) - Images

SARS-CoV-2 ORF3a Peptide (LVYFLQSINFVRIIM) - 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 signal essential to activation of the NLRP3 inflammasome.