

SARS-CoV-2 ORF6 Peptide (QLDEEQPMEID)
Coronavirus Peptide
Catalog # VGP1160**Specification**

SARS-CoV-2 ORF6 Peptide (QLDEEQPMEID) - Product Information

Sequence	QLDEEQPMEID
Purity >90% (HPLC-MS)	
Application	Cellular immune response, T-cell expansion, Antigen specific T-cell stimulation, Immune monitoring, T-cell assays
Primary Accession	P0DTC6

SARS-CoV-2 ORF6 Peptide (QLDEEQPMEID) - Additional Information

Gene ID	43740572
Other Names	ORF6 protein, Accessory protein 6, , Non-structural protein 6, ns6, Protein X3

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 ORF6 Peptide (QLDEEQPMEID) - Images**SARS-CoV-2 ORF6 Peptide (QLDEEQPMEID) - Background**

SARS-CoV-2 is part of the Coronaviridae family, whose members are named after their crown-like appearance under the electron microscope caused by the surface glycoproteins that decorate the virus. Coronaviruses have a large (30+ kb) single-stranded positivesense RNA genome encoding for several open reading frames. SARS-COV ORF6 protein is localized to the endoplasmic reticulum (ER)/Golgi membrane in infected cells, where it binds to and disrupts nuclear import complex formation by tethering karyopherin alpha 2 and karyopherin beta 1 to the membrane. Retention of import factors at the ER/Golgi membrane leads to a loss of STAT1 transport into the nucleus in response to interferon signaling, thus blocking the expression of STAT1-activated genes that establish an antiviral state.