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SARS-CoV-2 ORF6 Peptide (TFKVSIWNLDYIINL)

Coronavirus Peptide
Catalog # VGP1157

Specification

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

Sequence	**TFKVSIWNLDYIINL**
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 (TFKVSIWNLDYIINL) - 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 (TFKVSIWNLDYIINL) - Images

SARS-CoV-2 ORF6 Peptide (TFKVSIWNLDYIINL) - 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.