

**SARS-CoV-2 Nucleocapsid Protein Peptide (ALPQRQKKQQTVTLL)**  
**Coronavirus Peptide**  
**Catalog # VGP1949****Specification**

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**SARS-CoV-2 Nucleocapsid Protein Peptide (ALPQRQKKQQTVTLL) - Product Information**

Sequence	ALPQRQKKQQTVTLL
<b>Purity</b> >90% (HPLC-MS)	
Application	Cellular immune response, T-cell expansion, Antigen specific T-cell stimulation, Immune monitoring, T-cell assays
Primary Accession	<a href="#">P0DTC9</a>

**SARS-CoV-2 Nucleocapsid Protein Peptide (ALPQRQKKQQTVTLL) - Additional Information**

Gene ID	43740575
<b>Other Names</b>	Nucleoprotein, Nucleocapsid protein, NC, Protein N

**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 Nucleocapsid Protein Peptide (ALPQRQKKQQTVTLL) - Images****SARS-CoV-2 Nucleocapsid Protein Peptide (ALPQRQKKQQTVTLL) - Background**

SARS-CoV nucleocapsid protein is highly phosphorylated, basic, structural protein that forms a helical ribonucleoprotein complex with viral RNA, to form a complex that comprises the core structure of the SARS-CoV virion. SARS-CoV NP is thought to be involved in key viral life cycle functions including packaging, transcription, and replication, based on established functions of nucleocapsid proteins of other coronaviruses. SARS-CoV NP shows intrinsic multimerization and interacts with M protein, suggesting that NP is both critical to formation of the viral nucleocapsid core and participates in virion assembly.