

**SARS-CoV-2 Nucleocapsid Protein Peptide (LIRQGTDYKHWPQIA)**  
**Coronavirus Peptide**  
**Catalog # VGP1940****Specification**

---

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

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

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

Gene ID	<b>43740575</b>
<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 (LIRQGTDYKHWPQIA) - Images****SARS-CoV-2 Nucleocapsid Protein Peptide (LIRQGTDYKHWPQIA) - 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.