

## Membrane Protein, HCoV-NL63 (Cell-Free, His)

<b>Cat. No.:</b>	HY-P702376
<b>Synonyms:</b>	Membrane protein; E1 glycoprotein; Matrix glycoprotein; Membrane glycoprotein
<b>Species:</b>	Virus
<b>Source:</b>	E. coli Cell-free
<b>Accession:</b>	Q6Q1R9 (M1-I226)
<b>Gene ID:</b>	2943503
<b>Molecular Weight:</b>	28.7 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           M S N S S V P L L E    V Y V H L R N W N F    S W N L I L T L F I    V V L Q Y G H Y K Y            S R L L Y G L K M S    V L W C L W P L V L    A L S I F D C F V N    F N V D W V F F G F            S I L M S I I T L C    L W V M Y F V N S F    R L W R R V K T F W    A F N P E T N A I I            S L Q V Y G H N Y Y    L P V M A A P T G V    T L T L L S G V L L    V D G H K I A T R V            Q V G Q L P K Y V I    V A T P S T T I V C    D R V G R S V N E T    S Q T G W A F Y V R            A K H G D F S G V A    S Q E G V L S E R E    K L L H L I         </p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	As a membrane protein, it serves as a pivotal component of the viral envelope, playing a crucial role in virus morphogenesis and assembly through interactions with other viral proteins. Operating as a homomultimer, the membrane protein engages with the envelope E protein within the host cell's budding compartment, situated between the endoplasmic reticulum and the Golgi complex. Additionally, it forms complexes with HE and S proteins, while also interacting with the nucleocapsid N protein, likely contributing to RNA packaging into the virus.
-------------------	---

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA