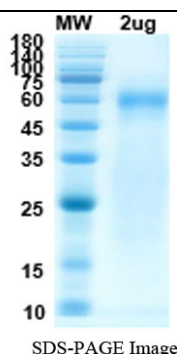


Product Details

Summary

Product name	Recombinant 2019-nCoV Nucleocapsid protein
Catalog#	ATMP02490COV
description	Recombinant SARS-CoV-2 Nucleocapsid protein is produced by Mammalian cells expression system and the target gene encoding Ser2-Ala419 is expressed with C-His Tag
Expression system	Mammalian cells
Species	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Accession #	QHD43423.2
Alternative names	Nucleoprotein
Predicted Molecular Mass	47.79kDa
Purity	>90% as determined by SDS-PAGE
Endotoxin level	Please contact with the lab for this information
Formulation	Lyophilized. Lyophilized from PBS pH7.4, 1mM EDTA, 4% trehalose, 1% mannitol.
Shipping	In general, proteins are shipped out with blue ice unless customers require otherwise.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.
Reconstitution	Reconstitute in sterile water for a stock solution.
Application	Immunogen

SDS-PAGE image



Background

Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

Note

For research use only.

