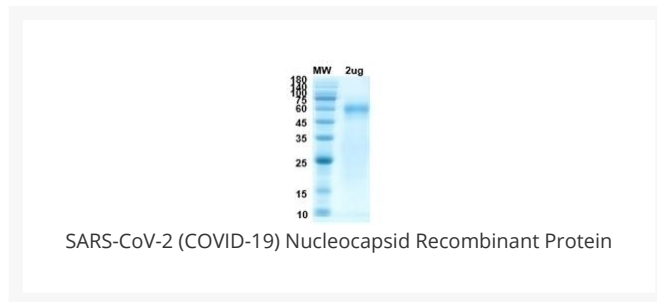




SARS-CoV-2 (COVID-19) Nucleocapsid Recombinant Protein

Cat. No.: 10-434



Ψ Specifications

SPECIES:	SARS-CoV-2
SOURCE SPECIES:	Mammalian cells
SEQUENCE:	Ser2-Ala419
FUSION TAG:	N-His Tag
APPLICATIONS:	Immunogen
PREDICTED MOLECULAR WEIGHT:	47.79kDa

Ψ Properties

PURITY:	>90% as determined by SDS-PAGE
PHYSICAL STATE:	Lyophilized
BUFFER:	Supplied as solution form in PBS, pH7.5 or lyophilized from PBS, pH7.5. Please reconstitute the protein with ddH2O to the concentration with 1mg/ml.
STORAGE CONDITIONS:	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.

Ψ Additional Info

ALTERNATE NAMES:	Nucleoprotein
ACCESSION NO.:	QHD43423.2

Ψ Background and References

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.
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