Recombinant SARS-CoV-2 NP CTD domain V2(C-6His)

Catalog Number:PKSV030279

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	2019-nCoVcoronavirusNPProtein;2019-nCoVnpProtein;2019-nCoVnovelcoronavirusNucleoprotein Protein
Species	SARS-CoV-2
Expression Host	E.coli
Sequence	Thr247-Pro364
Accession	QHD43423.2
Calculated Molecular Weight	17.1 kDa
Observed molecular weight	17 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μM filtered solution of 50mM PB, 150mM NaCl, 1mM EDTA, pH 7.4
Reconstitution	Not Applicable

Background

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

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