

Recombinant SARS-CoV-2 NP (Truncated) (His Tag)

Catalog Number:PKSR030537



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

Description

Synonyms	2019-nCoV coronavirus NP Protein;2019-nCoV np Protein;2019-nCoV novel coronavirus Nucleoprotein Protein
Species	SARS-CoV-2
Expression Host	E.coli
Accession	QHD43423.2
Calculated Molecular Weight	36.2 kDa
Observed molecular weight	38 kDa
Tag	N-His
Bioactivity	Immobilized Recombinant 2019-nCoV NP (Truncated) at 2µg/ml (100 µl/well) can bind Anti-2019-nCoV NP Antibody (6G9), the ED50 for this effect is 4. 8 ng/ml.

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 PBS, pH7.4.
Reconstitution	Not Applicable

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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