Recombinant HCoV-229E Nucleocapsid Protein

Catalog Number:PKSV030285

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

Description

Synonyms	HCoV-229E Nucleocapsid Protein;HCoV-229E coronavirus NP Protein;HCoV-229E np Protein;HCoV-229E novel coronavirus Nucleoprotein Protein
Species	HCoV
Expression Host	E.coli
Sequence	Met1-Asn389
Accession	P15130
Calculated Molecular Weight	47.2 kDa
Observed molecular weight	54 kDa
Tag	N-His

Properties

Purity	> 85 % 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 Tris-HCl, 150mM NaCl, 50mM Arginine, pH7.5
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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