Recombinant HCoV-229E N protein, His-tagged

Cat. No. N-236V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HCoV-229E Nucleocapsid, His Tag is expressed from E.coli cells. It contains AA Met 1-Asn 389 (Accession # P15130-1).
Species	HCoV
Source	E.coli
ProteinLength	Met 1-Asn 389
Description	Nucleocapsid protein is a most abundant protein of coronavirus. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. While screening for ADP-ribosylated proteins during coronavirus (CoV) infection, we identified as the viral nucleocapsid (N) protein. Novel post-translation modification of the CoV N protein that may play a regulatory role for this important structural protein. The array of diverse functional activities accommodated in the hantaviral N protein goes far beyond to be a static structural protein and makes it an interesting target in the development of antiviral therapeutics. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
Predicted N Terminal	His
Form	Please contact us for detailed information.
Molecular Mass	The protein has a calculated MW of 45.3 kDa.

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Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	N nucleocapsid protein [Human coronavirus 229E]
Official Symbol	N
Synonyms	Nucleocapsid protein; NP; Protein N; COVID-19
Gene ID	918763
Protein Refseq	NP_073556.1
UniProt ID	P15130

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