Recombinant Human-CoV(229E) Nucleoprotein, His-tagged

Cat. No. N-135V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human-CoV(229E) Nucleoprotein, containing 359aa, was fused to His-tag at C-terminus and expressed in E.coli.
Species	HCoV
Source	E.coli
ProteinLength	359
Description	Nucleoproteins, also known as nucleocapsid proteins, are phosphoproteins that are capable of binding to helix and have flexible structure of viral genomic RNA. It plays an important role in virion structure, replication and transcription of coronaviruses, as it localizes in both the replication/transcriptional region of the coronaviruses and the ERGIC region where the virus is collected. It 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. It also plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication.
Form	Lyophilised. PBS with 3M Urea.
Molecular Mass	42 kDa
Purity	>95% (12% SDS-PAGE, Coomassie blue stain).

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Immunoassay.
Storage	Upon receipt, store at -20 centigrade. Avoid multiple freeze/thaw cycles.
Concentration	Batch dependant (~1.0mg/ml)
Shipping	Dry Ice.
Warning	For Research Use Only.

GENE INFORMATION

Gene Name	N
Official Symbol	N
Synonyms	HCoV229Egp7
Gene ID	918763
Protein Refseq	NP_073556.1
UniProt ID	P15130
SDS-PAGE of N-135V	Coomassie-stained SDS-PAGE showing purified recombinant HCoV-229E nucleoprotein (N).

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