

Recombinant HCoV-OC43 N protein, His-tagged

Cat. No. N-237V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HCoV-OC43 Nucleocapsid, His Tag is expressed from E.coli cells. It contains AA Met 1-Ile 448 (Accession # P33469-1).
Species	HCoV-OC43
Source	E.coli
ProteinLength	Met 1-Ile 448
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 51 kDa.

 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

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°C before opening to recover the entire contents.

GENE INFORMATION**Gene Name**

N I protein; nucleocapsid protein [Human coronavirus OC43]

Official Symbol

N

Synonyms

Nucleocapsid protein; NP; Protein N; COVID-19

Gene ID

39105221

Protein Refseq

YP_009555245.1

UniProt ID

P33469

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