

## 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.

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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°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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