

# Recombinant Human Coronavirus N protein, His-tagged

Cat. No. N-261S Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	The Recombinant Human Coronavirus 229E, E.Coli derived, 361 amino acids, contains the nucleocapsid immunodominant regions. The protein is fused to a His tag at C-terminal and purified by standard chromatography techniques.
<b>Species</b>	SARS
<b>Source</b>	E.coli
<b>Description</b>	Human coronavirus 229E is a single-stranded, positive-sense, RNA virus species in the Alphacoronavirus genus of the subfamily Coronavirinae, in the family Coronaviridae, of the order Nidovirales. There are four globally distributed known human coronaviruses - HCoV-229E, HCoV-HKU1, HCoV-NL63 and HCoV-OC43, which are found in different locations around the world at different times of the year. Coronavirus 229E and Human coronavirus OC43 are known to be the cause for the common cold. HCoV-229E is related to large range of respiratory symptoms, from the common cold to high-morbidity diseases such as pneumonia and bronchiolitis. Additionally, between the Coronaviruses, HCoV-229E is the most frequently co-detected with other respiratory viruses, mainly with HRSV (Human respiratory syncytial virus).
<b>Form</b>	Sterile Filtered clear solution. PBS and 3M Urea.
<b>Purity</b>	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
<b>Applications</b>	Coronavirus 229E nucleocapsid has high immunogenicity, reactive to its specific

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antibody produced by infected individuals. Recombinant 229E nucleocapsid has been used as a diagnostic agent to detect anti-coronavirus antibody in clinical study.

**Usage**

The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Stability**

Coronavirus 229E Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

**Shipping**

Ice Packs

## GENE INFORMATION

**Gene Name**

N structural protein [ Human coronavirus 229E ]

**Official Symbol**

N

**Synonyms**

structural protein; N; nucleocapsid protein

**Gene ID**

918763

**Protein Refseq**

NP\_073556.1

**UniProt ID**

P15130

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