Recombinant Human Coronavirus N protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	SARS
Source	E.coli
Description	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, HC0V-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).
Form	Sterile Filtered clear solution. PBS and 3M Urea.
Purity	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
Applications	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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