Recombinant HCoV-OC43 N Protein (Met1-Ile448), C-His tagged, Animal-free, Carrier-free

Cat. No. N-337H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human coronavirus OC43 N Protein (Met1-Ile448) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	HCoV-OC43
Source	E.coli
ProteinLength	Met1-Ile448
Description	There are seven human coronaviruses have been identified. The common human coronaviruses are four groups, known as 229E (α coronavirus), NL63 (α coronavirus), OC43 (β coronavirus) and HKU1 (β coronavirus). Because the crown-like spikes on the surface of virus, they are named for coronaviruses. HCoVs cause the respiratory tract diseases, especially severe in infants and the elderly. The spike protein controled the infection of target cells and it facilitated entry into cells by binding cellular receptors.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 50.13 kDa. The protein migrates as 48-63 kDa under reducing condition (SDS-PAGE analysis).
Purity	>98% as determined by SDS-PAGE analysis.

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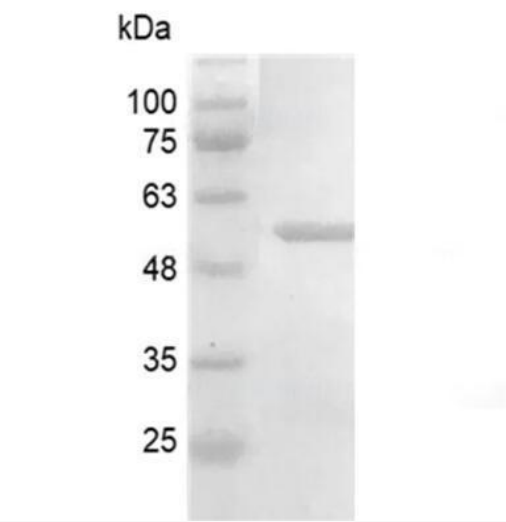
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Official Symbol	N
Synonyms	Nucleoprotein; N
UniProt ID	P33469

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SDS-PAGE analysis of recombinant Human Coronavirus (OC43) nucleocapsid protein.



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