Recombinant SARS-CoV-2 N Protein (Met1-Ala419), Animal-free, Carrier-free

Cat. No. N-230S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 N Protein (Met1-Ala419) without tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	SARS-CoV-2
Source	E.coli
ProteinLength	Met1-Ala419
Description	SARS-CoV-2 is a kind of coronavirus which full name is severe acute respiratory syndrome coronavirus 2. SARS-CoV-2 is contagious that causes the respiratory diseases and lung diseases which make difficulty breathing. SARS-CoV-2 do the spillover event in 2019 because it has genetic diversity. SARS-CoV-2 is composed by four subunits (spike, envelope, membrane and nucleocapsid proteins). Its RNA genome is encapsulated with nucleocapsid protein. The viral envelope is comprised of spike, envelope and membrane protein. SARS-CoV-2 has high affinity to ACE2, which is highly expression in intestines, kidney, and heart.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 45.62 kDa. The protein migrates about 48 kDa under reducing condition (SDS-PAGE analysis).

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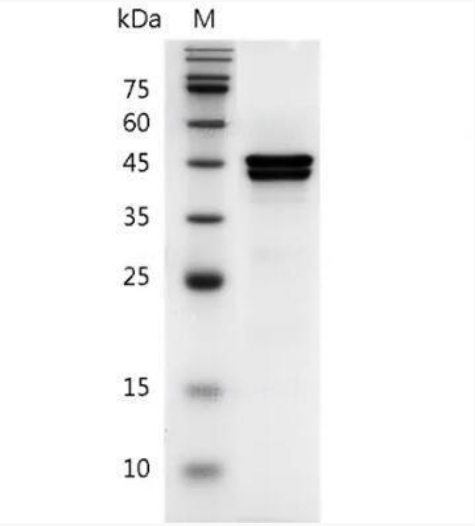
Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS containing 10 mM potassium carbonate, 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

Gene Name	N nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	N
Synonyms	N; nucleocapsid phosphoprotein; ORF9; structural protein
Gene ID	43740575
Protein Refseq	YP_009724397
UniProt ID	P0DTC9

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SDS-PAGE analysis of recombinant SARS-CoV-2 nucleocapsid protein.



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