

Recombinant SARS-CoV-2 N Protein, His-tagged

Cat. No. N-47S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) NP CTD domain is produced by our E.coli expression system with a 6His tag at the N- terminus.
Species	SARS-CoV-2
Source	E.coli
Description	Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
Form	Supplied as a 0.2 uM filtered solution of PBS, 2M Urea, pH 7.4.
Molecular Mass	Predicted Molecular Weight: 16.2kDa Apparent Molecular Weight: 16kDa, reducing conditions.
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Purity	>95%

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Storage	Store at ≤ -70 centigrade, stable for 6 months after receipt. Store at ≤ -70 centigrade, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Quality Statement	Purity: greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped on dry ice pack. Upon receipt, store it immediately at the temperature listed below.
GENE INFORMATION	
Gene Name	N nucleocapsid phosphoprotein [Severe acute respiratory syndrome coronavirus 2]
Official Symbol	N
Synonyms	2019-nCoV coronavirus NP Protein; 2019-nCoV np Protein; 2019-nCoV novel coronavirus Nucleoprotein Protein
Gene ID	43740575
Protein Refseq	YP_009724397.2
UniProt ID	P0DTC9