

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

Cat. No. N-46S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV-2 (2019-nCoV) NP NTD domain is produced by our E.coli expression system and the target gene encoding Met1-Tyr109 is expressed 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.
AA Sequence	Met1-Tyr109
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).
Shipping	Dry ice/ice packs

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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

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