Recombinant COVID-19 N protein truncated N03, His-tagged

Cat. No. N03-130V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 N protein truncated N03 was fused to His-tag at the N-terminus and expressed in E.coli.
Species	Sars-CoV-2
Source	E.coli
Description	Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. 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. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
Form	Liquid in sterile PBS, pH7.4.
Endotoxin	<1.0 EU per μg protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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GENE INFORMATION

Gene Name	N
Official Symbol	N
Synonyms	GU280_gp10
Gene ID	43740575
Protein Refseq	YP_009724397.2

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