

SARS-CoV-2 Nucleocapsid (aa1-419), His Tag Recombinant Protein

Product Details	
Size	100 µg
Species	Virus
Expression system	E. coli
Amino acid sequence	SARS-CoV-2 Nucleocapsid, Met1-Ala419 with an N-terminal His-tag
Tag	His-tag
Molecular weight	49.4 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE; >95% by HPLC
Endotoxin concentration	<1.0 EU/µg
Activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 Nucleocapsid at 2 µg/mL (100 µL/well) can bind Anti-Nucleocapsid antibody with a linear range of 0.12-1.64 ng/mL. Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 envelope Protein at 2µg/mL (100 µL/well) can bind Recombinant SARS-CoV-2 Nucleocapsid protein, the EC50 of Recombinant SARS-CoV-2 Nucleocapsid protein is 41.10 ng/mL.
Conjugate	Unconjugated
Form	Liquid
Concentration	0.56 mg/mL
Purification	purified
Storage buffer	20mM tris, pH 8.0, with 0.1mM EDTA, 500mM NaCl, 10% glycerol
Contains	no preservative
Storage conditions	-80°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Animal Origin Free

Storage: Store the lyophilized protein at -20°C to -80°C for long term. This product is stable at -70°C for up to 1 year from the date of receipt.

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