

ARG70347
SARS-CoV-2 nucleocapsid recombinant protein (His-tagged, N-ter)Package: 100 µg
Store at: -20°C

Summary

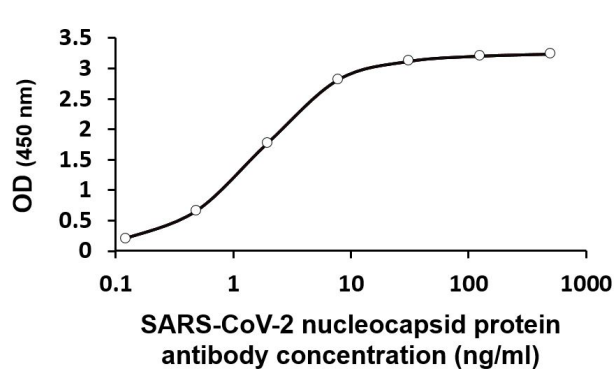
Product Description	E. coli expressed, His-tagged (N-ter) SARS-CoV-2 nucleocapsid recombinant protein.
Tested Reactivity	Virus
Tested Application	Binding, ELISA, SDS-PAGE
Target Name	SARS-CoV-2 nucleocapsid protein
Species	Virus
A.A. Sequence	Met1 - Ala419 of SARS-CoV-2 nucleocapsid protein (QHD43423.2) with 6X His tag at the N-terminus.
Expression System	E. coli

Application Instructions

Application Note	<p>Binding activity test: 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.</p> <p>Binding activity test: Measured by its binding ability in a functional ELISA. Immobilized Recombinant SARS-CoV-2 envelope Protein at 2 µg/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.</p>
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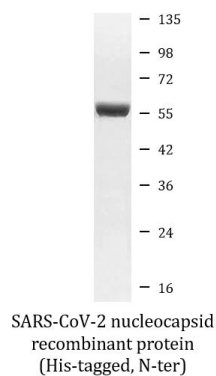
Properties

Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is less than 1.0 EU/µg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE); > 95% (by HPLC)
Buffer	20 mM Tris (pH 8.0), 500 mM NaCl, 0.1 mM EDTA and 10% Glycerol.
Stabilizer	10% Glycerol
Storage instruction	Lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.



ARG70347 SARS-CoV-2 nucleocapsid recombinant protein (His-tagged, N-ter) ELISA image

ELISA: The plate was coated with ARG70347 SARS-CoV-2 nucleocapsid recombinant protein (His-tagged, N-ter) at 2 µg/ml (100 µl/well). Samples were detected with serially diluted anti-SARS-CoV-2 nucleocapsid protein antibody.



ARG70347 SARS-CoV-2 nucleocapsid recombinant protein (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70347 SARS-CoV-2 nucleocapsid recombinant protein (His-tagged, N-ter).