

Recombinant 2019-nCoV Nucleocapsid Protein with His tag

Catalog No	RP01264	Category	Recombinant Protein
Description	Recombinant 2019-nCoV Nucleocapsid Protein is produced by <i>E. coli</i> expression system. The target protein is expressed with sequence (Met1-Ala419) of 2019-ncov Nucleocapsid (Accession #QHD43423.2) fused with an 6×His tag at the N-terminus.		

Sequence Information

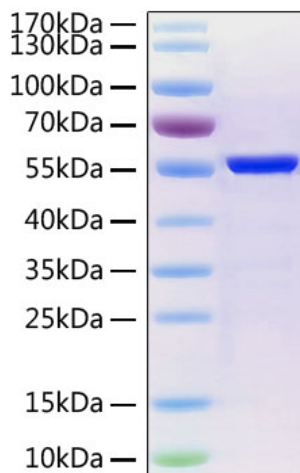
Species	2019-nCoV	Gene ID	43740575
Tags	6×His tag at the N-terminus	Swiss Prot	
Synonyms	Nucleocapsid protein;NP;Nucleoprotein;cov np;Protein N;COVID-19		

Product information

Source	<i>E. coli</i>
Purity	> 95% by SDS-PAGE.
Endotoxin	< 1.0 EU/μg of the protein by LAL method.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. or Supplied as a 0.22 μm filtered solution in 20mM Tris, 500mM NaCl, 0.1mM EDTA, 10% glycerol, pH8.0.
Reconstitution	For lyophilized protein : Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. or This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

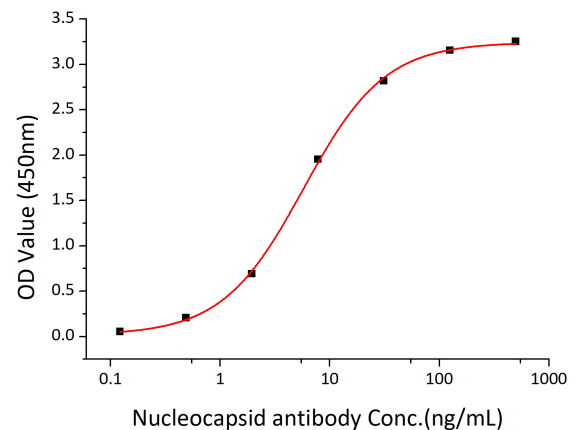
Background

SDS-PAGE



Recombinant 2019-nCoV Nucleocapsid Protein with His tag was determined by SDS-PAGE with Coomassie Blue, showing a band at 55 kDa.

Bioactivity



Immobilized Recombinant 2019-nCoV Nucleocapsid at 2μg/mL (100 μL/well) can bind Anti-Nucleocapsid antibody with a linear range of 0.12-6 ng/mL.