

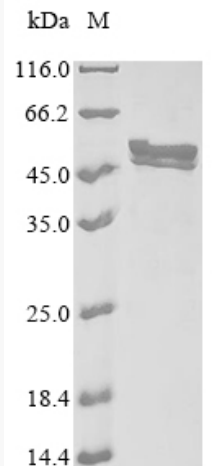
for research use only

Datasheet

Product Name	Recombinant Human Novel Coronavirus Nucleoprotein(N)
Catalog Number	AAA27032
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-tagged
Storage Buffer	20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 50% glycerol
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	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.
AA sequence	MSDNGPQNQRNAPRITFGGSPDSTGSNQNGERSGARSKQRRPQGLPNNTASW FTALTQHGKEDLKFPRGQGVPIINTNSSPDDQIGYYRRATRRIRGGDGKMKDLS PRWYFYLLGTGPEAGLPYGANKDGIWVATEGALNTPKDHIGTRNPANNAAI VLQLPQGTTLPKGFYAEGSRGGSQASSRSSSRNSSRNSTPGSSRGTS PARMA GNGGDAALALLLLDRLNQLESKMSGKGQQQQGQTVTKKSAAEASKKPRQK RTATKAYNVTQAFGRRGPEQTQGNFGDQELIRQGT DYKHWPQIAQFAPSASA FFGMSRIGMEVTPSGTWLTYTAAIKLDDKDPNFKDQVILLNKHIDAYKTFPPT EPKKDKKKKADETQALPQRQKKQQTVTLLPAADLDDFSKQLQQSMSSADST QA
References	"A new coronavirus associated with human respiratory disease in China." Wu F., Zhao S., Yu B., Chen Y.-M., Wang W., Song Z.-G., Hu Y., Tao Z.-W., Tian J.- H., Pei Y.-Y., Yuan M.-L., Zhang Y.-L., Dai F.-H., Liu Y., Wang Q.-M., Zheng J.- J., Xu L., Holmes E.C., Zhang Y.-Z. Nature 579:265-269(2020)

for research use only

Certificate of Analysis

Product Name	Recombinant Human Novel Coronavirus Nucleoprotein(N)		
Catalog Number	MBS7135899		
Expression host	E.coli		
Product Info	N-terminal 6xHis-tagged		
Buffer	20 mM Tris-HCl, 0.5 M NaCl, pH 8.0, 50% glycerol		
Batch Number	YA04530a7g5		
Nature	Human Novel Coronavirus N-(AA 1-419)-P0DTC9-Full Length		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, six months from the date of receipt	
Form	Liquid		
Date of detection	2020.09.25		
Test Items	Specifications		Results
Appearance	Clear Solution		pass
Concentration	0.1-5 mg/ml, by the Bradford Method.		0.21 mg/ml
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		93%
Molecular Weight	Predicted band size: 48.0 kDa		Observed band size: 48 kDa

for research use only

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.		
Aseptic Processing	Not done		
Endotoxin Level	Untreated		
Activity	Specifications		Results
	Coating	Recombinant Human Novel Coronavirus Nucleoprotein(N) (MBS7135899)	0.2μg/well
	Reaction Antibody	N antibody (MBS7135930)	0.7629-100000ng/ml
	Detection	Peroxidase-Affinipure Goat Anti-Human IgG, Fc γ Fragment Specific	1:10000
EC₅₀	7.061-96.15ng/ml		
Conclusion	pass		

