



Certificate of Analysis

SARS-CoV-2 Nucleocapsid Protein, Human (His)

Cat. No.:	HY-P72034
Batch No.:	331416
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P0DTC9 (M1-A419)
Gene ID:	43740575
Molecular Weight:	Approximately 48-50 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Immobilized SARS-CoV-2 Nucleocapsid protein, His Tag at 1 μg/mL (100 μL/well) can bind Anti-SARS-CoV-2 Nucleocapsid Antibody. The ED ₅₀ for this effect is 5.118 ng/mL.	5.118 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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