

COVID 19 Nucleocapsid (NP) Coronavirus Active Protein | COVID-19 active protein

Recombinant Human Novel Coronavirus Nucleoprotein (N)(D3L, R203K, G204R, S235F)(Active)

CATALOG #
AAA278888

HOST
E Coli

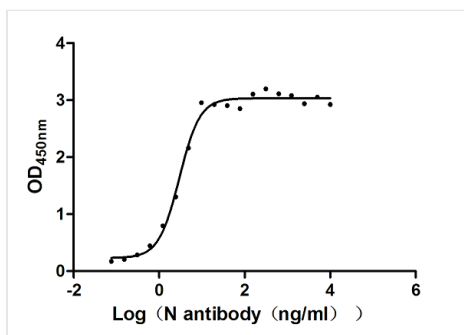
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; Recombinant Human Novel Coronavirus Nucleoprotein (N)(D3L; R203K; G204R; S235F)(Active); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); COVID-19 active protein

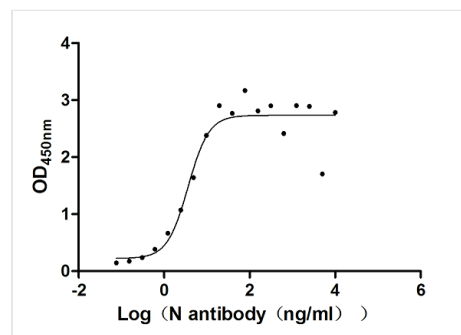
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-419aa(D3L, R203K, G204R, S235F), Full Length
Sequence	MSLNGPQNQR NAPRITFGGP SDSTGSNQNG ERSGARSKQR RPQGLPNNTA SWFTALTQHG KEDLKFPGRGQ GVPINTNSSP DDQIGYYRRA TRRIRGGDGK MKDLSRWYF YYLGTGPEAG LPYGANKDGI IWWATEGALN TPKDHIGTRN PANNAIVLQ LPQGTTLPKG FYAEGSRGGS QASSRSSRS RNSSRNSTPG SSKRTSPARM AGNGGDAALA LLLDRLNQL ESKMFGKGQQ QQGQTVTKKS AAEASKKPRQ KRTATKAYNV TQAFGRRGPE QTQGNFGDQE LIRQGTDYKH WPQIAQFAPS ASAFFGMSRI GMEVTPSGTW LTYTGAIKLD DKDPNFKDQV ILLNKHIDAY KTFPPTPEKK DKKKKADETQ ALPQRQKKQQ TVTLLPAADL DDFSKQLQQS MSSADSTQA
Species	Human Novel Coronavirus (SARS-CoV-2/2019-nCoV)
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized N) at 2ug/mL can bind N Mouse Monoclonal Antibody) at 2ug/mL can bind N Recombinant Antibody , the EC50 of N Recombinant Antibody is 2.562 - 3.421ng/mL.
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

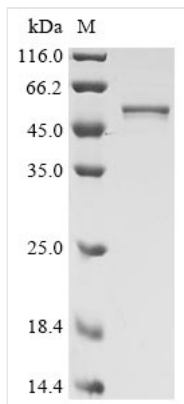
IMAGES



Bioactivity



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SDS-PAGE

Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Product Categories/Family for COVID-19 active protein	Microbiology
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC9
Molecular Weight	49.8kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-covid-19-active-protein/covid-19-nucleocapsid-np-coronavirus/278888>