

COVID 19 NSP1 Coronavirus Recombinant Protein | COVID-19 recombinant protein

Recombinant SARS-CoV-2 (2019-nCoV) NSP1

CATALOG # AAA41020	HOST E Coli	APPLICATIONS Immunogen
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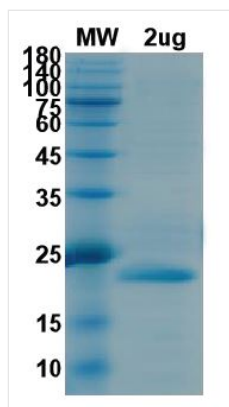
PRODUCT SYNONYMS

COVID 19 NSP1 Coronavirus; Recombinant SARS-CoV-2 (2019-nCoV) NSP1; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; NSP1; COVID-19 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized. Supplied as solution form in PBS, pH7.5
Sequence Length	180
Applicable Applications for COVID-19 recombinant protein	Immunogen
Species	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)
Viral	Rat
Reconstitution	It is suggested to reconstitute the recombinant protein with ddH ₂ O to the concentration of 1mg/ml.
Preparation and Storage	Store at -20 to -80°C for twelve months from the date of receipt. Use a manual defrost freezer and avoid repeated freeze thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for COVID-19 recombinant protein	Recombinant SARS-CoV-2 NSP1 is produced by E.coli expression system and the target gene encoding Met1-Gly180 is expressed with N-His Tag Background The Severe Acute Respiratory Syndrome (SARS) Coronavirus (CoV) is an enveloped, positive-stranded RNA viruses that can cause a severe respiratory disease. Its genome consists of a ~30 kb linear, non-segmented, capped, polycistronic, polyadenylated RNA molecule, the first two-third of which is directly translated into two large polypeptides. These two polypeptides are processed into 16 non-structural proteins (nsps), forming the replicase complex, which is active in the cytoplasm in close association with cellular membranes. Nsp1 was proved to be able to suppress host gene expression by promoting host mRNA degradation and was involved in cellular chemokine deregulation. This virus evades the host innate immune response in part through the expression of its non-structural protein (nsp) 1, which inhibits both host gene expression and virus- and interferon (IFN)-dependent signaling. Thus, nsp1 is a promising target for drugs, as inhibition of nsp1 would make SARS-CoV more susceptible to the host antiviral defenses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1802476805
NCBI Accession #	YP_009725297.1
NCBI GenBank Nucleotide #	YP_009725297.1
Molecular Weight	Actual Molecular Mass: 22-23kDa Predicted Molecular Mass: 21.94kDa
NCBI Official Full Name	leader protein

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://www.aaabiotech.com/covid-19-nsp1-coronavirus-recombinant-protein-e-coli-immunogen/41020>