

COVID 19 RdRp Coronavirus Active Protein | COVID-19 active protein

2019-nCoV RdRp, Active

CATALOG #
AAA73171

HOST
E Coli

PRODUCT SYNONYMS

COVID 19 RdRp Coronavirus; 2019-nCoV RdRp; Active; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; RdRp; COVID-19 active protein

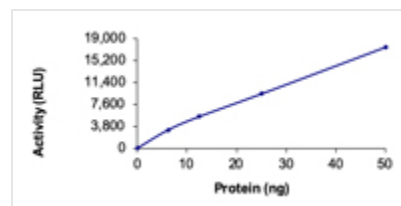
PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	50mM sodium phosphate, pH7.5, 300mM NaCl, 150mM imidazole, 1mM DTT, 10% glycerol
Species	SARS-CoV-2
Tag	HIS
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



Purity Data
Sample Purity Data.



Specific Activity
Sample Activity Plot.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 active protein	Recombinant 2019-nCoV RNA-dependent RNA polymerase (RdRp) was expressed in E Coli cells using a C-terminal His tag. Overview: A novel Corona virus (SARS-CoV-2) has caused a global COVID-19 pandemic of respiratory disease in 2020 (1). RNA-dependent RNA polymerase (RdRp) is an enzyme that is crucial to life cycle of RNA viruses including Corona viruses (2). RdRp catalyzes the synthesis of viral RNA, thereby playing a central role in the replication and transcription cycle of COVID-19 viruses, possibly in complex with nsp7 and nsp8 (3). Therefore, RdRp is a prime target for nucleotide analog antiviral inhibitors, such as remdesivir, for development of new antiviral therapeutics (4).
Product Categories/Family for COVID-19 active protein	Proteins ; COVID-19 Proteins

References

1. Zhou P, et al: A pneumonia outbreak associated with a new Corona virus of probable bat origin. Nature. 2020, 579:270-89
2. Subissi L, et al: One severe acute respiratory syndrome Corona virus protein complex integrates processive RNA polymerase and exonuclease activities. Proc. Natl. Acad. Sci. U.S.A. 2014, 111: E3900-E3909.
3. Gao Y, et al: Structure of the RNA-dependent RNA polymerase from COVID-19 virus. Science. 2020, 368: 779-782.
4. Wang M, et al: Remdesivir and chloroquine effectively inhibit the recently emerged novel Corona virus (2019-nCoV) in vitro. Cell Res. 2020, 30:269-271.

NCBI AND UNIPROT INFORMATION

Molecular Weight

~100kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-covid-19-active-protein/covid-19-rdrp-coronavirus/73171>