

Recombinant SARS-CoV-2 NSP12

01/21

CATALOG NO:	P1670-50 50 µg
ALTERNATE NAMES:	RNA-directed RNA polymerase, RdRp, RdRp catalytic domain, nsp12, SARS-CoV-2 NSP12; COVID-19 NSP12; 2019-nCoV NSP12; Non-Structural Protein 12; nsp12
MOL. WT.	39.4 kDa
ACCESSION NO:	QHD43415.1
PURITY:	≥ 90% by SDS-PAGE
SOURCE:	<i>E.coli</i>
TAG:	His Tag
AMINO ACID SEQUENCE:	The target is expressed with the sequence Asp4891-Val5212 of SARS-CoV-2 NSP12 with a His tag at the C-terminus.
FORM:	Lyophilized Protein
FORMULATION:	Lyophilized from PBS, pH 7.5
RECONSTITUTION:	Reconstitute in sterile water to a concentration of 1 mg/ml.
STORAGE CONDITIONS:	Store at -20 °C or -80 °C. After reconstitution, divide into small aliquots and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	The replication of Coronavirus is operated by multiple non-structural proteins (nsps). The viral genomic RNA is translated from two open reading frames (ORFs), ORF1a and ORF1b. The encoded replicase polyproteins, pp1a and pp1ab, are further processed to produce nsps. NSP12 encoded by ORF1b has the viral RNA-dependent RNA polymerase (RdRp) motif. It is the catalytic core of the RNA replicase.

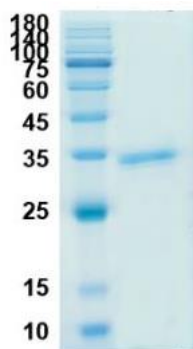


Fig A. 2 µg of SARS-CoV-2 NSP12 protein was loaded on SDS-PAGE and visualized by Coomassie blue stain.

RELATED PRODUCTS:

Recombinant SARS-CoV-2 NSP7 (Cat. No. P1647)
 Human CellExp™ Coronavirus Spike Protein (SARS-CoV-2; S1), Recombinant (P1524)
 Recombinant SARS-CoV-2 NSP8 (Cat. No. P1648)
 Recombinant COVID-19 3C-like Proteinase (Cat. No. P1606)
 Human CellExp™ SARS-CoV-2 Spike Protein (RBD), Recombinant (P1530)

FOR RESEARCH USE ONLY! Not to be used on humans.