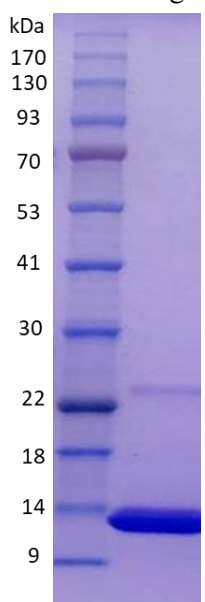


Product Name	Recombinant SARS-CoV-2 NSP7	<p>SDS-PAGE gel</p>  <p>kDa 170 130 93 70 53 41 30 22 18 14 9</p> <p>1 2</p>
Synonym(s)	2019-nCoV NSP7, SARS-CoV-2 RNA polymerase cofactor, RNA-dependent RNA polymerase (RdRp), COVID-19	
Quantity	100 µg, 1 mg	
Lot Number		
Concentration	0.5 mg/mL	
Molecular weight	10.5 kDa	
Purity	>90% by SDS-PAGE	
Tag	C-terminal His tag	
Expression Source	E. coli	
GenBank Accession #	YP_009742614, Ser1-Gln83	
Application	Inhibitor Screening, activity assay	
Formulation	25 mM tris, pH7.5, 250 mM NaCl, 2 mM MgCl ₂ , 20% Glycerol, 0.02% Na-Azide	
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	
Description	<p>Nsp7 is one cofactor of SARS-CoV-2 RNA polymerase complex and can significantly increase RdRp template binding and processivity. The viral polymerase is essential for the coronavirus replication. With the high evolutionary stability compared with surface proteins, SARS-CoV-2 RNA polymerase has become a major target of antiviral drugs.</p>	
Reference	<p>Gao et al., Science 368, 779–782 (2020) W. Yin et al., Science, 10.1126/science.abc1560 (2020).</p>	

This product is for research use only and not for diagnostic or therapeutic use.

RELATED PRODUCTS:

Name of Products	Catalog#	Size
Recombinant SARS-CoV-2 Mpro, 3CL protease, CF	728201-1	50 µg
	728201-2	500µg
SARS-CoV-2 Mpro Assay Kit, 3CL Protease Assay Kit	728203	96 rxns
SARS-CoV Protease Assay Buffer (2X),	728205	20 ml
Mpro substrate, SARS-CoV-1/SARS-CoV-2	728208	1 mg
Recombinant SARS-CoV-2 Helicase (NSP13)	728231-1	10 µg
	728231-2	50 µg
	728231-3	100 µg
Recombinant SARS-CoV-2 Nucleocapsid phosphoprotein (N)	728241	100 µg
Recombinant SARS-CoV-2 Papain-like Protease (PLpro, NSP3), CF	728251-1	50 µg
	728251-2	100 µg
	728251-3	1 mg
Papain-like Protease Assay Kit	728253	96 rxns
Papain-like Protease substrate	728255	1 mg
RNA-dependent RNA polymerase (NSP12), Recombinant SARS-CoV-2	728261	100 µg
RNA-dependent RNA polymerase (NSP7, NSP8, NSP12 Complex), Recombinant SARS-CoV-2	728263	20 µg
SARS-CoV-2 NSP8, Recombinant	728265-1	100 µg
	728265-2	1 mg