

Product Name	Recombinant SARS-CoV-2 NSP8	<p>SDS-PAGE gel</p> <p>kDa</p> <p>170</p> <p>130</p> <p>93</p> <p>70</p> <p>53</p> <p>41</p> <p>30</p> <p>22</p> <p>18</p> <p>14</p> <p>9</p> <p>1 2</p> <p>1 – MW Marker 2 – NSP8</p>
Synonym(s)	2019-nCoV NSP8, 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	23.1 kDa	
Purity	>90% by SDS-PAGE	
Tag	C-terminal His tag	
Expression Source	E. coli	
GenBank Accession #	YP 009725304.1, Ala1-Gln198	
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	Nsp8 is one cofactor of SARS-CoV-2 RNA polymerase complex and can remarkably improve RdRp polymerase activity. 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.	
Reference	Gao et al., Science 368, 779–782 (2020) W. Yin et al., Science, 10.1126/science.abc1560 (2020).	

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	500ug
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 ug
	728231-3	100 ug
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 NSP7, Recombinant	728264-1	100 µg
	728264-2	1 mg