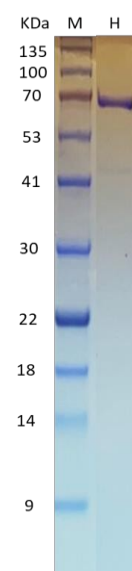


Product Name	Recombinant SARS-CoV-2 Helicase	<p>SDS-PAGE gel</p> 
Synonym(s)	2019-nCoV Helicase, NSP13, COVID-19	
Quantity	10 µg, 50 µg, 100 µg	
Lot Number	B00905	
Concentration	0.53 mg/ml	
Molecular weight	68 kDa	
Purity	>95% by SDS-PAGE	
Tag	N-terminal His Tag	
Expression Source	E. coli	
GenBank Accession #	QKU37883.1, Ala5325-Gln5925	
Application	Inhibitor Screening	
Formulation	25 mM HEPES, pH7.4, 250 mM KCl, 1 mM MgCl ₂ , 2 mM DTT, 10% Glycerol	
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	M – MW Marker H - Helicase
Description	<p>Helicases are motor proteins that unwind a double-stranded (ds) nucleic acid into two single-stranded (ss) nucleic acids using energy derived from NTP. Helicase (Nsp13) of Severe acute respiratory Coronavirus 2 is the most conserved non-structural protein within the coronavirus family and is critical for viral replication. The functional relevance of helicases activities indicates that inhibition of helicase is potentially important for developing therapeutic agents.</p>	
Reference	<p>Chen, J., et al., 2020, Cell 182, 1–14. Borgio, JF., et al., Arch Med Sci 2020; 16 (3): 508–518.</p>	

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 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
SARS-CoV-2 NSP7, Recombinant	728264-1	100 µg
	728264-2	1 mg
SARS-CoV-2 NSP8, Recombinant	728265-1	100 µg
	728265-2	1 mg

Our services are listed as below:

Protein Synthesis Capacity:	Micrograms to Milligram, 50 aa to 1000 aa
Protein Purity:	>95%, >98%, >99%
Protein Formulation:	Animal-Free, Lyophilized, Carrier-Free, Ready-to-Use
Protein/Cytokine Endotoxicity:	<0.01 ng/ug
Bioactivity:	ED50= 0.1-1.0 ng/ml
Catalog Cytokines/Growth Factors:	bFGF, aFGF, VEGF, etc.
Catalog Recombinant Proteins:	Human Leukemia Inhibitory Factor (LIF), Mouse LIF, Human Sonic Hedgehog (SHH), Malic enzyme 1 (ME1), ME2, ME3, etc.
Catalog Drug Target Proteins:	Kras WT, Kras mutations (G12C, G12D, G12R, G12V), with GDP or GppNHp loaded, SOS1, cRAF, CDKs, PKM2, EIF4E, MNK2, Bcl2, DNA Polymerase Theta (POLQ), etc.
Catalog Tag removal proteases:	TEV, SUMO Protease (Ulp1), PreScission Protease (HRV 3C), YopH
Services:	Protein Expression and Purification, Protein and Antibody Conjugation, drug discovery assay design, develop and service, such as binding assay, nucleotide exchange assay, kinase activity assay, thermal shift assay, Cell Proliferation Assay, Cell Death Assay, ELISA assay, Endotoxin Assay by LAL Method, etc.

Products are for research use only and are not intended for human use. We do not sell to patients.