

Active Recombinant COVID-19 ORF1ab protein, His-tagged

Cat. No. ORF1ab-0640C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 ORF1ab protein(Glu746-Lys1060), fused with His tag, was expressed in E.coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	746-1060 a.a.
Form	Supplied as 0.2 µm filtered solution in 50 mM HEPES, 300 mM NaCl, 1 mM TCEP, pH7.5 with glycerol as protectant.
Bio-activity	Measured by its ability to convert the substrate Dabcyl–FRLKGGAPIKGV–Edans.The specific activity is >2500 pmol/min/mg.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 37.6 kDa. The protein migrates as 35-37 kDa under reducing (R) condition (SDS-PAGE).
Proteinlength	Glu746-Lys1060
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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