

Recombinant COVID-19 3CLpro protein

Cat. No. 3CLpro-3534V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant COVID-19 3CLpro protein(YP_009725301.1)(Ser1-Gln306) was expressed in E.coli.
Species	Sars-CoV-2
Source	E.coli
ProteinLength	Ser1-Gln306
Tag	Non
Form	Supplied as 0.22µm filtered solution in 25mM HEPES, 2.5mM DTT, 10% glycerol (pH 7.5).
Bio-activity	Measured by its ability to cleave a peptide substrate, MCA-AVLQSGFR-Lys(Dnp)-Lys-NH ₂ .The specific activity is > 5 pmol/min/µg.
Molecular Mass	The protein has a predicted MW of 33.8 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Valid for 12 months from date of receipt when stored at -80°C; Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-

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

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

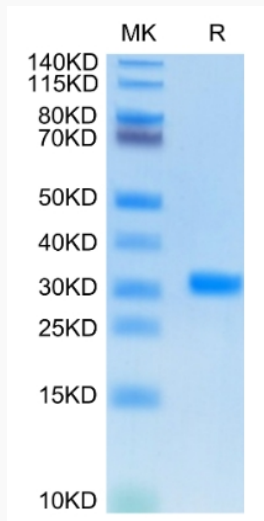
 45-1 Ramsey Road, Shirley, NY 11967, USA

thaw cycles.

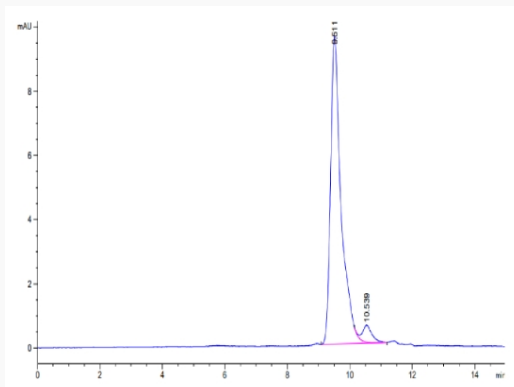
Reconstitution

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.

Tris-Bis PAGE



SEC-HPLC



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