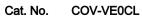
# SARS-CoV-2 3CLpro/3C-like Protease Protein





Description	
Source	Recombinant SARS-CoV-2 3CLpro/3C-like Protease Protein is expressed from E.coli without tag.
	It contains Ser1-Gln306.
Accession	YP_009725301.1
Molecular Weight	The protein has a predicted MW of 33.8 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

### Formulation and Storage

Formulation	Supplied as 0.22µm filtered solution in 25mM HEPES, 2.5mM DTT, 10% Glycerol (pH 7.5)

Storage Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller

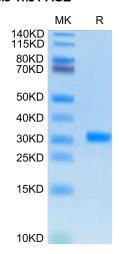
quantities for optimal storage. Please minimize freeze-thaw cycles.

### **Background**

3CL protease, a viral cysteine proteinase, plays an important role in co-translational proteolytic processing of Coronavirus polyproteins. The 3CL protease cleaves as much as 11 sites in the replicase polyproteins and also releases the key replicative functions of polymerase and helicase.

### **Assay Data**

## **Bis-Tris PAGE**



SARS-CoV-2 3CLpro on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

#### **Bioactivity Data**

Measured by its ability to cleave a peptide substrate, MCA-AVLQSGFR-Lys(Dnp)-Lys-NH2.The specific activity is > 5 pmol/min/µg.