

SARS-CoV-2 3CLpro/3C-like Protease Protein (L50F, E166A, L167F)

Cat. No. COV-VE0LJ

Description

Source Recombinant SARS-CoV-2 3CLpro/3C-like Protease Protein (L50F, E166A, L167F) is expressed from E.coli without tag.

It contains Ser1-Gln306 (L50F, E166A, L167F).

Accession YP_009725301.1

Molecular Weight The protein has a predicted MW of 34.5 kDa same as Bis-Tris PAGE result.

Endotoxin Less than 1EU per µg by the LAL method.

Purity > 95% as determined by Bis-Tris PAGE

> 95% as determined by HPLC

Formulation and Storage

Formulation Supplied as 0.22µm filtered solution in PBS (pH 7.4).

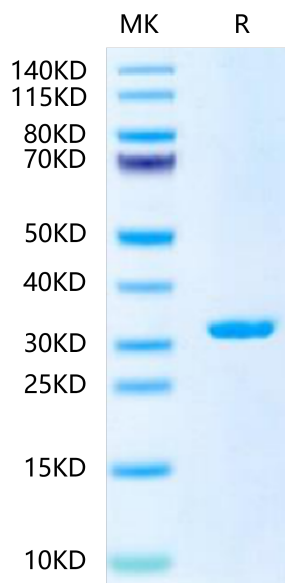
Storage Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

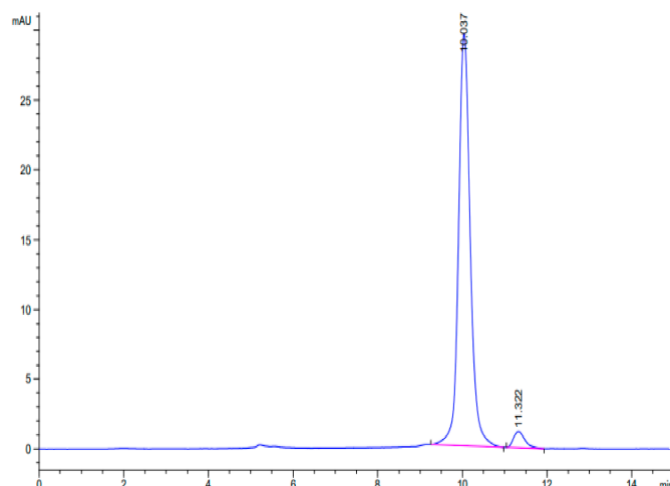
Assay Data

Bis-Tris PAGE



SARS-CoV-2 3CLpro (L50F, E166A, L167F) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of SARS-CoV-2 3CLpro (L50F, E166A, L167F) is greater than 95% as determined by SEC-HPLC.