

Recombinant SARS-CoV1 3CL Protease

Catalog Number: AG1922/Lot#033020G

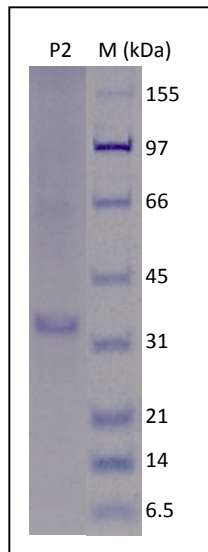
Strength: 20µg, 100ug, 1mg

Accession: NP_828863

Specifications and Use

Description

Recombinant 3-chymotrypsin-like (3CL) protease of the SARS-CoV1 was expressed in E coli cells and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 318 (307+11) amino acids with a 6His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 34kDa (P2).



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MSGFRKMAFPSGKVEGCMVQVTCGTTTLNGLWLDDTVYCPRHVICTAEDM  
LNPNYEDLLIRKSNHSFLVQAGNVQLRVIGHSMQNCLLRKVDTSNPKTP  
KYKfVRIQPGQTFsvLACyNGSPSGVYQCAMRPNHtIKGSFLNGSCGSVG  
FNIDYDCVSFCYMHHMELPTGVHAGTDLEGKfYGPfVDRQTAQAAGTDTT  
ITLNVLAwLYAAVINGDRWFLNRfTTTLNDFNLVAMKYNyEPLTQDHVDI  
LGPLSAQTGIaVLDMCAALKELLQNGMNGRTILGStILEDEfTPfDVVRQ  
CSGVTFQGGGLEHHHHHH*
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Source

E coli

Molecular Mass

Approximately 34kD.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Recombinant 3CL protease of SARS-CoV1 is suitable for screening its inhibitors and other related function assays.

Formulation

20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity.

FOR RESEARCH USE ONLY!!!