



3CLpro Protein Crystal

Catalog: CBCRY05

PRODUCT INFORMATION

Name	3CLpro Protein Crystal
Cat No.	CBCRY05
Fragment	Full length
Protein Description	SARS Coronavirus Main Proteinase Complexed With Inhibitor
Background	The SARS-CoV main protease, which is a 33.8-kDa protease (also called the 3C-like protease), plays a pivotal role in mediating viral replication and transcription functions through extensive proteolytic processing of two replicase polyproteins, pp1a (486 kDa) and pp1ab (790 kDa).
Protein Classification	Hydrolase
Structure Weight	69623.62 Da
Method	X-Ray Diffraction
Resolution	2.5 Å
Ligand Chemical Component	Chloroacetone
Reference	Yang H, Yang M, Ding Y, Liu Y, Lou Z, Zhou Z, Sun L, Mo L, Ye S, Pang H, Gao GF, Anand K, Bartlam M, Hilgenfeld R, Rao Z. The crystal structures of severe acute respiratory syndrome virus main protease and its complex with an inhibitor. Proc Natl Acad Sci U S A. 2003 Nov 11;100(23):13190-13195.