



PDE10A Protein Crystal

Catalog: CBCRY50

PRODUCT INFORMATION

Name	PDE10A Protein Crystal
Cat No.	CBCRY50
Fragment	Catalytic domain
Protein Description	Phosphodiesterase 10
Background	Phosphodiesterase 10A belongs to the cyclic nucleotide phosphodiesterase family. It plays a role in signal transduction by regulating the intracellular concentration of cyclic nucleotides. This protein can hydrolyze both cAMP and cGMP to the corresponding nucleoside 5' monophosphate, but has higher affinity for cAMP, and is more efficient with cAMP as substrate.
Protein Classification	Hydrolase
Structure Weight	76792.17 Da
Method	X-Ray Diffraction
Resolution	1.56 Å
Ligand Chemical Component	Mg ²⁺ Zn ²⁺
Reference	Wang H, Liu Y, Hou J, Zheng M, Robinson H, Ke H. From the cover: structural insight into substrate specificity of phosphodiesterase 10. Proc.Natl.Acad.Sci.Usa (2007) 104 p.5782