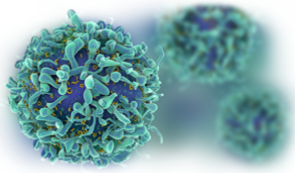

PDE2A Protein Crystal

Catalog: CBCRY48

PRODUCT INFORMATION

Name	PDE2A Protein Crystal
Cat No.	CBCRY48
Fragment	Residues 215-900
Protein Description	Phosphodiesterase 2
Background	The phosphodiesterases (PDEs) are a superfamily of enzymes that metabolically inactivate cAMP and cGMP t o play key roles in both these aspects of regulation. There are 11 PDE gene families, which differ broadly in sp ecificity and affinity for cAMP and cGMP. An isoform PDE2A2 is supposed to regulates mitochondrial cAMP levels and respiration.
Protein Classification	Hydrolase
Structure Weight	158085.17 Da
Method	X-Ray Diffraction
Resolution	3.02 Å
Ligand Chemical Component	Mg2+ Zn2+
Reference	Pandit J, Forman MD, Fennell KF, Dillman KS, Menniti FS. Mechanism for the allosteric regulation of phosph odiesterase 2a deduced from the x-ray structure of a near full-length construct. Proc.Natl.Acad.Sci.Usa (2009) 106 p.18225

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