



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 |