



# PDE10A Protein Crystal

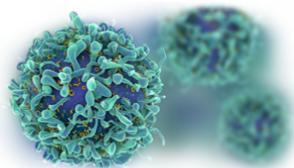
**Catalog: CBCRY50**

## PRODUCT INFORMATION

<b>Name</b>	PDE10A Protein Crystal
<b>Cat No.</b>	CBCRY50
<b>Fragment</b>	Catalytic domain
<b>Protein Description</b>	Phosphodiesterase 10
<b>Background</b>	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.
<b>Protein Classification</b>	Hydrolase
<b>Structure Weight</b>	76792.17 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	1.56 Å
<b>Ligand Chemical Component</b>	Mg <sup>2+</sup> Zn <sup>2+</sup>
<b>Reference</b>	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.U.S.A (2007) 104 p.5782

## USAGE GUIDELINES

<b>General</b>	Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggregate formation.
<b>Storage</b>	Short term: +2°C to +8°C Long term: -80°C
<b>Stability</b>	n.a.



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**Freezing**

Can be frozen, but avoid multiple freeze/thaw cycles.

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