



CRYM Protein Crystal

Catalog: CBCRY14

PRODUCT INFORMATION

Name	CRYM Protein Crystal
Cat No.	CBCRY14
Fragment	Full length
Protein Description	Mu-crystallin homolog
Background	<p>Crystallins are separated into two classes: taxon-specific and ubiquitous. The former class is also called phylogenetically-restricted crystallins. The latter class constitutes the major proteins of vertebrate eye lens and maintains the transparency and refractive index of the lens. This gene encodes a taxon-specific crystallin protein that binds NADPH and has sequence similarity to bacterial ornithine cyclodeaminases. The encoded protein does not perform a structural role in lens tissue, and instead it binds thyroid hormone for possible regulatory or developmental roles. Multiple alternatively spliced transcript variants have been found for this gene.</p>
Protein Classification	Oxidoreductase
Structure Weight	68589.65 Da
Method	X-Ray Diffraction
Resolution	2.6 Å
Ligand Chemical Component	NAD
Reference	Cheng, Z., Sun, L., He, J., Gong, W. (2007) Crystal structure of human {micro}-crystallin complexed with NADPH Protein Sci. 16: 329-335