



# CRYM Protein Crystal

Catalog: CBCRY14

## PRODUCT INFORMATION

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**Name** CRYM Protein Crystal

**Cat No.** CBCRY14

**Fragment** Full length

**Protein Description** Mu-crystallin homolog

**Background**

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.

**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