

Recombinant Full Length Human CRYM Protein, GST-tagged

Cat. No. CRYM-2144HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRYM full-length ORF (AAH18061, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	314 amino acids
Description	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. Mutations in this gene have been associated with autosomal dominant non-syndromic deafness. [provided by RefSeq, Sep 2014]
Molecular Mass	60.28 kDa
AA Sequence	MSRVPAFLSAAEVEEHLRSSSLIPPLETALANFSSGPEGGVMQPVRTVVPVTKHRG YLGVMPPAYSAAEDALTTLKLVTFYEDRGITSVVPSHQATVLLFEPSNGTLLAVMDGNVI TAKRTAAVSAIATKFLKPPSSEVLCILGAGVQAYSHYEIFTEQFSFKEVRIWNRTKEN AEKFADTVQGEVRVCSSVQEAVAGADVITVTLATEPILFGEWVKPGAHINAVGASRP

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	DWRELDDELMKEAVLYVDSQEAAALKESGDVLLSGAEIFAELGEVIKGVKPAHCEKTT VFKSLGMAVEDTVAAKLIYDSWSSGK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CRYM crystallin, mu [Homo sapiens]
Official Symbol	CRYM
Synonyms	CRYM; crystallin, mu; thiomorpholine-carboxylate dehydrogenase; DFNA40; ketimine reductase; mu-crystallin homolog; NADP-regulated thyroid-hormone binding protein; THBP
Gene ID	1428
mRNA Refseq	NM_001014444
Protein Refseq	NP_001014444
MIM	123740

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UniProt ID

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