

# Recombinant Full Length Human CRYM Protein, GST-tagged

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

## SPECIFICATION

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

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DWRELDDELMKEAVLYVDSQEAAALKESGDVLLSGAEIFAELGEVIKGVKPAHCEKTT  
VFKSLGMAVEDTVAAKLIYDSWSSGK

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

## GENE INFORMATION

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

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UniProt ID

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