# Recombinant Full Length Human CRYM Protein, GST-tagged

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

## SPECIFICATION

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| **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** | MSRVPAFLSAAEVEEHLRSSSLLIPPLETALANFSSGPEGGVMQPVRTVVPVTKHRG YLGVMPAYSAAEDALTTKLVTFYEDRGITSVVPSHQATVLLFEPSNGTLLAVMDGNVI TAKRTAAVSAIATKFLKPPSSEVLCILGAGVQAYSHYEIFTEQFSFKEVRIWNRTKEN AEKFADTVQGEVRVCSSVQEAVAGADVIITVTLATEPILFGEWVKPGAHINAVGASRP |

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| | DWRELDDELMKEAVLYVDSQEAALKESGDVLLSGAEIFAELGEVIKGVKPAHCEKTT VFKSLGMAVEDTVAAKLIYDSWSSGK |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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

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| **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** | Q14894 |

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