

Recombinant Mouse Crym Protein, Myc/DDK-tagged

Cat. No. Crym-2335M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length crystallin, mu (Crym), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Specifically catalyzes the reduction of imine bonds in brain substrates that may include cystathionine ketimine (CysK) and lanthionine ketimine (LK). Binds thyroid hormone which is a strong reversible inhibitor. Presumably involved in the regulation of the free intracellular concentration of triiodothyronine and access to its nuclear receptors.
Molecular Mass	33.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Crym crystallin, mu [<i>Mus musculus</i> (house mouse)]
Official Symbol	Crym
Synonyms	CRYM; crystallin, mu; thiomorpholine-carboxylate dehydrogenase; ketimine reductase; mu-crystallin homolog; NADP-regulated thyroid-hormone-binding protein
Gene ID	12971
mRNA Refseq	NM_016669
Protein Refseq	NP_057878
UniProt ID	O54983

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