Recombinant Mouse Cryba1 Protein, Myc/DDK-tagged

Cat. No. Cryba1-2327M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length crystallin, beta A1 (Cryba1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Mammalian lens crystallins are divided into alpha, beta, and gamma families. Alpha and beta families are further divided into acidic and basic groups. Seven protein regions exist in crystallins: four homologous motifs, a connecting peptide, and N- and C-terminal extensions. Beta-crystallins, the most heterogeneous, differ by the presence of the C-terminal extension (present in the basic group, none in the acidic group). Beta-crystallins form aggregates of different sizes and are able to self-associate to form dimers or to form heterodimers with other beta-crystallins. This gene, a beta acidic group member, encodes two proteins (crystallin, beta A3 and crystallin, beta A1) from a single mRNA. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	25.2 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.

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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.

GENE INFORMATION

Gene Name	Cryba1 crystallin, beta A1 [Mus musculus (house mouse)]
Official Symbol	Cryba1
Synonyms	CRYBA1; crystallin, beta A1; beta-crystallin A1; beta-A1-crystallin; beta-A3/A1-crystallin; Cryb; BA3/A1; MGC130310
Gene ID	12957
mRNA Refseq	NM_009965
Protein Refseq	NP_034095
UniProt ID	Q9QXC6

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