

Recombinant Mouse Cryaa Protein, Myc/DDK-tagged

Cat. No. Cryaa-2325M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length crystallin, alpha A (cDNA clone MGC:106604 IMAGE:30602480), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes subunit a, one of two subunits of alpha-crystallin, which is a high molecular weight, soluble aggregate and is a member of the small heat shock protein (sHSP) family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. It acts as a molecular chaperone and is the major protein in the eye lens, maintaining the transparency and refractive index of the lens. In mouse, deficiency in this gene is associated with smaller lenses and eyes and with increasing lens opacity with age. Alternative splicing results in multiple transcript variants.
Molecular Mass	19.8 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.

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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 Cryaa crystallin, alpha A [Mus musculus (house mouse)]

Official Symbol Cryaa

Synonyms Cryaa; crystallin, alpha A; Cry; Acry; Crya; Crya1; DAcry; lop18; Acry-1; Crya-1; DAcry-1; alpha-crystallin A chain; crystallin, alpha 1; lens opacity 18

Gene ID 12954

mRNA Refseq NM_013501

Protein Refseq NP_038529

UniProt ID P24622

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