

Recombinant Full Length Human CRYBA2 Protein, GST-tagged

Cat. No. CRYBA2-2130HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CRYBA2 full-length ORF (AAH06285, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	197 amino acids
Description	Crystallins are separated into two classes: taxon-specific, or enzyme, and ubiquitous. The latter class constitutes the major proteins of the vertebrate eye, which function to maintain the transparency and refractive index of the lens. Since lens central fiber cells lose their nuclei during development, these crystallins are made and then retained throughout life, making them extremely stable proteins. Mammalian lens crystallins are divided into alpha, beta, and gamma families; beta and gamma crystallins are also defined as a superfamily. 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 but absent in the acidic group). Beta-crystallins form aggregates of different sizes and are able to form homodimers through self-association or heterodimers with other beta-crystallins. This gene is a beta acidic group member. Three alternatively spliced transcript variants encoding identical

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	proteins have been reported. [provided by RefSeq, Jul 2008]
Molecular Mass	47.3 kDa
AA Sequence	MSSAPAPGPAPASLT LWDEEDFQGRRCRLLSDCANVCERGG LPRVRSVKVENG V WVAFEYPDFQGQQFILEKGDYPRWSA WSGSSSHNSNQLLSFRPVLCANHND SRVT LFEGDNFQGCKFDLVDDYPSLPSMGWASKDVGSLKVSSGAWVAYQYPGYRGYQY VLERDRHSGEFCTY GELGTQAHTGQLQSIRRVQH
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production 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

Gene Name	CRYBA2 crystallin, beta A2 [Homo sapiens]
Official Symbol	CRYBA2
Synonyms	CRYBA2; crystallin, beta A2; beta-crystallin A2; eye lens structural protein
Gene ID	1412
mRNA Refseq	NM_005209

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Protein Refseq	NP_005200
MIM	600836
UniProt ID	P53672

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