

## Recombinant Human CRYBA4, His-tagged

Cat. No. CRYBA4-3607H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CRYBA4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	CRYBA4, also known as Beta-crystallin A4, belongs to the beta/gamma-crystallin family that are the dominant structural components of the vertebrate eye lens. 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, is part of a gene cluster with beta-B1, beta-B2, and beta-B3.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
<b>Molecular Weight</b>	24.5 kDa(216aa), confirmed by MALDI-TOF
<b>Purity</b>	>95% by SDS - PAGE
<b>Concentration</b>	1.0 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MTLQCTKSAG PWKMVWDED GFQGRRHEFT AECPSVLELG FETVRSKLV SGAWVGFEHA GFQGQYILERGEYPSWDAW GGNTAYPAER LTSFRPAACA NHRDSRLTIF EQENFLGKKG ELSDDYPSLQ AMGWEGNEVG SFHVHSGAWV CSQFPGYRGFQYVLECDHHS GDYKHFREWG

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SHAPTFQVQS IRRIQQ

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**

**Gene Name**

CRYBA4 crystallin, beta A4 [ Homo sapiens ]

**Official Symbol**

CRYBA4

**Synonyms**

CRYBA4; MCOPCT4;crystallin, beta A4; beta-crystallin A4;OTTHUMP00000198864;beta-A4 crystallin;eye lens structural protein;crystallin, beta polypeptide A4

**Gene ID**

1413

**mRNA Refseq**

NM\_001886

**Protein Refseq**

NP\_001877

**MIM**

123631

**UniProt ID**

P53673

**Chromosome Location**

22q11.2-q13.1; 22q12.1

**Function**

molecular\_function; structural constituent of eye lens

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