

## Recombinant Human Crystallin, Beta A4, His-tagged

Cat. No. CRYBA4-4987H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human CRYBA4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**Species** Human

**Source** Human

**Description** 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.

**Concentration** 1.0 mg/ml

**Form** Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, with 20% glycerol, 0.1M NaCl and 1mM DTT.

**Purity** > 95% by SDS - PAGE

**Sequence**  
 1-196 amino acids: MGSSHHHHHH SSGLVPRGSH MTLQCTKSAG  
 PWKMVWDED GFQRRHEFT AECPSVLELG FETVRSCLKVL SGAWVGFEHA  
 GFQGQQYILE RGEYPSWDAW GGNTAYPAER LTSFRPAACA NHRDSRLTIF  
 EQENFLGKKG ELSDDYPSLQ AMGWEGNEVG SFHVHSGAWV CSQFPGYRGF  
 QYVLECDHHS GDYKHFREWG SHAPTFQVQS IRRIQ

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<b>Molecular Mass</b>	24.5 kDa
<b>Applications</b>	SDS PAGE
<b>Storage</b>	Store at 4 deg C for short term storage. Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	CRYBA4 crystallin, beta A4 [ Homo sapiens ]
<b>Official Symbol</b>	CRYBA4
<b>Synonyms</b>	CRYBA4; MCOPCT4; beta-crystallin A4; OTTHUMP00000198864; beta-A4 crystallin; eye lens structural protein; crystallin, beta polypeptide A4
<b>Gene ID</b>	1413
<b>mRNA Refseq</b>	NM_001886
<b>Protein Refseq</b>	NP_001877
<b>MIM</b>	123631
<b>UniProt ID</b>	P53673
<b>Chromosome Location</b>	22q11.2-q13.1; 22q12.1
<b>Function</b>	molecular_function; structural constituent of eye lens

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