

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 PWKMOVWDED GFQGRRHEFT AECPSVLELG FETVRSCLKVL SGAWVGFEHA GFQGQQYILE RGEYPSWDAW GGNTAYPAER LTSFRPAACA NHRDSRLTIF EQENFLGKKG ELSDDYPQLQ AMGWEGNEVG SFHVHSGAWV CSQFPGYRGF QYVLECDHHS GDYKHFREWG SHAPTFQVQS IRRIQ

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Molecular Mass	24.5 kDa
Applications	SDS PAGE
Storage	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

Gene Name	CRYBA4 crystallin, beta A4 [Homo sapiens]
Official Symbol	CRYBA4
Synonyms	CRYBA4; MCOPCT4; 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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