

Recombinant Human CRYBA4, His-tagged

Cat. No. CRYBA4-3607H **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	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular Weight	24.5 kDa(216aa), confirmed by MALDI-TOF
Purity	>95% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MTLQCTKSAG PWKMVWDED GFQGRRHEFT AECPSVLELG FETVRSCLKVL SGAWVGFEHA GFQGQQYILERGEYPSWDAW 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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