

## Recombinant Human CRYBA2 protein, His-tagged

**Cat. No.** CRYBA2-3734H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CRYBA2 protein(1-197 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-197 aa                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | MSSAPAPGPAPASLT LWDEEDFQGRRCRLLSDCANVCERGGLPRVRSVKVENGV<br>WVAFEYPDFQGGQFILEKGDYPRWSAWSGSSSHNSNQLLSFRPVLCANHND SRVT<br>LFEGDNFQGCKFDLVDDYPSLPSMGWASKDVGSLKVSSGAWVAYQYPGYRGYQY<br>VLERDRHSGEFCTY GELGTQAHTGQLQSIRRVQH                                                                |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |

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**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

**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

**Protein Refseq** NP\_005200

**MIM** 600836

**UniProt ID** P53672

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