

## Recombinant Human CRYAA protein, His-tagged

Cat. No. CRYAA-7876H Lot. No. (See product label)

### SPECIFICATION

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| <b>Product Overview</b> | Recombinant Human CRYAA protein(115-173 aa), fused with N-terminal His tag, was expressed in E. coli.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E. coli  |
| <b>ProteinLength</b>    | 115-173 aa   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| <b>AASequence</b>       | HRRYRLPSNVDQSALSCSLSadGMLTFCGPKIQTGLDATHAERAIPVSREEKPTSAPSS  |
| <b>Purity</b>           | 85%, by SDS-PAGE.  |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.  |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.   |

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**GENE INFORMATION****Gene Name** CRYAA crystallin, alpha A [ Homo sapiens ]**Official Symbol** CRYAA**Synonyms** CRYAA; crystallin, alpha A; CRYA1; alpha-crystallin A chain; HSPB4; crystallin, alpha-1; heat shock protein beta-4; human alphaA-crystallin (CRYA1);**mRNA Refseq** NM\_000394**Protein Refseq** NP\_000385**UniProt ID** P02489**Gene ID** 1409**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA