

## Alpha-crystallin B chain (CRYAB) Recombinant Protein | CRYAB recombinant protein

Recombinant Human Alpha-crystallin B chain (CRYAB)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113961</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

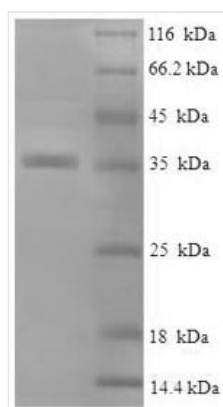
### PRODUCT SYNONYMS

Alpha-crystallin B chain (CRYAB); Recombinant Human Alpha-crystallin B chain (CRYAB); Alpha(B)-crystallin; Heat shock protein beta-5; HspB5; Renal carcinoma antigen NY-REN-27; Rosenthal fiber component; CRYAB recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Positions      | 1-175aa; Full Length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence                | MDIAIHHPWI RRPFFPFHSP SRLFDQFFGE HLLESDLFPT STLSPPFYLR PPSFLRAPSW FDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Length         | 175                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Production Note         | <b>Special Offer:</b> The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our <b>or email to</b> for more details. |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                       |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CRYAB recombinant protein | May contribute to the transparency and refractive index of the lens. Has chaperone-like activity, preventing aggregation of various proteins under a wide range of stress conditions. |
| Product Categories/Family for CRYAB recombinant protein   | Cancer                                                                                                                                                                                |
| References                                                | The primary structure of the B2 chain of human alpha-crystallin.Kramps J.A., de Man B.M., de Jong W.W.FEBS Lett. 74:82-84(1977)                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 577019571                                                      |
| NCBI GeneID                      | 1410                                                           |
| NCBI Accession #                 | NP_001276736.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001289807.1                                                 |
| UniProt Accession #              | P02511; O43416; Q9UC37; Q9UC38; Q9UC39; Q9UC40; Q9UC41; B0YIX0 |
| Molecular Weight                 | 36.2 kDa                                                       |
| NCBI Official Full Name          | alpha-crystallin B chain                                       |
| NCBI Official Synonym Full Names | crystallin alpha B                                             |
| NCBI Official Symbol             | CRYAB                                                          |
| NCBI Official Synonym Symbols    | MFM2; CRYA2; CTPP2; HSPB5; CMD1II; CTRCT16; HEL-S-101          |
| NCBI Protein Information         | alpha-crystallin B chain                                       |
| UniProt Protein Name             | Alpha-crystallin B chain                                       |
| UniProt Gene Name                | CRYAB                                                          |
| UniProt Synonym Gene Names       | CRYA2; HSPB5; HspB5                                            |
| UniProt Entry Name               | CRYAB_HUMAN                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cryab-recombinant-protein-e-coli/113961>