

Crystallin alpha B Recombinant Protein | Cryab recombinant protein

Crystallin alpha B, 1-175aa, Mouse, E Coli

CATALOG # AAA48491	HOST E Coli	APPLICATIONS SDS-Page
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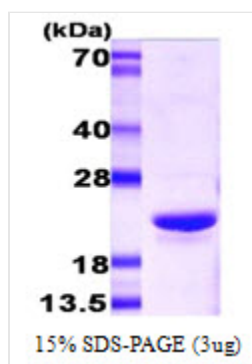
PRODUCT SYNONYMS

Crystallin alpha B; 1-175aa; Mouse; E Coli; Crya2; Crya-2; Cryab; ; Cryab recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris pH 8.0 and 10 % glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MDIAIHPWI RRPFFPFHSP SRLFDQFFGE HLLESDLFST ATSLSPFYLR PPSFLRAPSW IDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVA AAPKK
Sequence Length	175
Applicable Applications for Cryab recombinant protein	SDS-PAGE
Antigen Species	Mouse
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Cryab recombinant protein	Alpha crystallins are composed of two gene products, alpha-A and alpha-B for acidic and basic, respectively. Alpha crystallins can be induced by heat shock and are members of the small heat shock protein (sHSP also known as the HSP20). They act as molecular chaperones and hold them in large soluble aggregates. These heterogeneous aggregates consist of 30-40 subunits; the alpha-A and alpha-B subunits have a 3:1 ratio, respectively. Two additional functions of alpha-crystallins are an autokinase activity and participation in the intracellular architecture. CRYAB is expressed widely in many tissues and organs. Recombinant CRYAB was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for Cryab recombinant protein	Heat Shock Proteins
References	Hasan, A., et al. (2002) Biochemistry 41 (52) 15876-15882; Kamradt, M.C., et al. (2002) J. Biol. Chem. 277 (41) 38731-38736 ; Reddy, G.B., et al. (2002) FEBS lett. 522 (1-3) 59-64 ; Ito, H., et al. (2002) J. Biochem. 131 (4) 593-603;

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753530
NCBI GeneID	12955
NCBI Accession #	NP_034094
NCBI GenBank Nucleotide #	NM_009964.3
UniProt Accession #	P23927 ; Q64325
Molecular Weight	20kDa (175aa), confirmed by MALDI-TOF.
NCBI Official Full Name	alpha-crystallin B chain
NCBI Official Synonym Full Names	crystallin, alpha B
NCBI Official Symbol	Cryab
NCBI Official Synonym Symbols	P23; Crya2; HspB5; Crya-2
NCBI Protein Information	alpha-crystallin B chain
UniProt Protein Name	Alpha-crystallin B chain
UniProt Gene Name	Cryab
UniProt Synonym Gene Names	Crya2

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://stage.aaabiotech.com/cryab-recombinant-protein-e-coli-sds-page/48491>