

alpha crystallin B Recombinant Protein | CRYAB recombinant protein

Recombinant Human Alpha Crystallin B (CRYAB)

CATALOG #
AAA47962

HOST
E.coli

PRODUCT SYNONYMS

alpha crystallin B; Recombinant Human Alpha Crystallin B (CRYAB); CRYAB recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	Greater than 95% as determined by SDS-PAGE and RP-HPLC.
Form/Format	Sterile-filtered colorless solution contains 20mM Tris-HCl, pH 7.5, 50mM NaCl and 1mM EDTA. Purified by proprietary chromatographic techniques.
Concentration	1.0 mg/ml (varies by lot)
Sequence	MDIAIHPWI RRPFFPFHSP SRLFDQFFGE HLLESDLFPT STLSPPFYLR PPSFLRAPSW FDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKK
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store at or below -20°C for longer periods of time. For long term storage, addition of a carrier protein (0.1% HSA or BSA) is recommended.

ADDITIONAL INFORMATION

Related Product Information for CRYAB recombinant protein	Alpha crystallins are composed of two gene products: alpha-A (acidic) and alpha-B (basic). Alpha crystallins are induced by heat shock and are members of the small heat shock protein family. They act as molecular chaperones. In addition, alpha crystallins have autokinase activity and play a role in intracellular architecture. Alpha crystalline B is expressed in many tissues and is associated with many neurological diseases. Recombinant Human CRYAB produced in E. coli is a single, non-glycosylated polypeptide chain containing 175 amino acids with a molecular weight of 20.2kDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503057
NCBI GeneID	1410
NCBI Accession #	NP_001876.1
NCBI GenBank Nucleotide #	NM_001885.1
UniProt Accession #	P02511 ; O43416 ; Q9UC37 ; Q9UC38 ; Q9UC39 ; Q9UC40 ; Q9UC41 ; B0YIX0
NCBI Official Full Name	alpha-crystallin B chain
NCBI Official Synonym Full Names	crystallin, alpha B
NCBI Official Symbol	CRYAB
NCBI Official Synonym Symbols	CRYA2; CTPP2; HSPB5

NCBI Protein Information	alpha-crystallin B chain; OTTHUMP00000234278; OTTHUMP00000234282; OTTHUMP00000234283; OTTHUMP00000234284; OTTHUMP00000234287; OTTHUMP00000234289; alpha B crystallin; alpha(B)-crystallin; alpha crystallin B chain; heat shock protein beta-5; rosenthal fiber component; heat-shock 20 kD like-protein; renal carcinoma antigen NY-REN-27
UniProt Protein Name	Alpha-crystallin B chain
UniProt Gene Name	CRYAB
UniProt Synonym Gene Names	CRYA2
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://stage.aaabiotech.com/cryab-recombinant-protein-e-coli/47962>