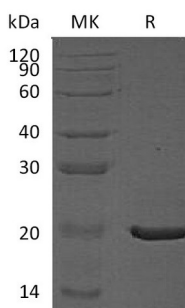


Summary

Name	CRYAA/Alpha-crystallin A chain
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Alpha-Crystallin A Chain is produced by our E.coli expression system and the target gene encoding Met1-Ser173 is expressed with a 6His tag at the C-terminus.
Accession #	P02489
Host	E.coli
Species	Human
Predicted Molecular Mass	20.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 2mM EDTA, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Human CRYAA (C-6His)
Catalog #: PEH0453



Alternative Names

Alpha-Crystallin A Chain; Heat Shock Protein Beta-4; HspB4; Alpha-Crystallin A Chain; Short Form; CRYAA; CRYA1; HSPB4

Background

Alpha-Crystallin A Chain (CRYAA) belongs to the small heat shock protein (HSP20) family and can be induced by heat shock. The expression of CRYAA is preferentially restricted to the lens cell. CRYAA may contribute to the transparency and refractive index of the lens. CRYAA has chaperone-like activity, preventing aggregation of various proteins under a wide range of stress conditions. Two additional functions of CRYAA are an autokinase activity and participation in the intracellular architecture.

Note

For Research Use Only , Not for Diagnostic Use.