

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

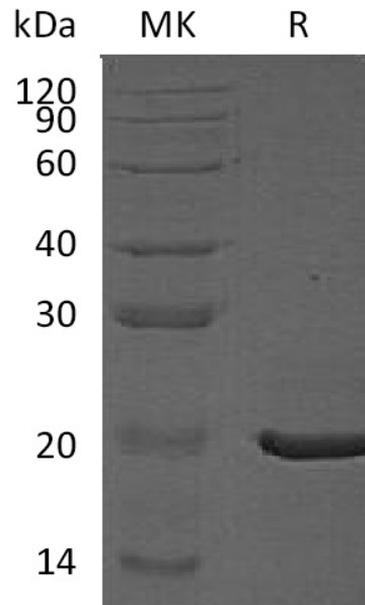


Summary

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|---------------------------------|--|
| 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 | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months. |
| 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

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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.