

Datasheet for ABIN934883

CRYAA Protein[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	CRYAA
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MDVTIQHPWF KRTLGPFYPS RLFDQFFGEG LFEYDLLPFL SSTISPYRQ SLFRTVLDSG
ISEVRSRDK FVIFLDVKHF SPEDLTVKVQ DDFVEIHGKH NERQDDHGYI SREFHRRYRL
PSNVDQSALS CSLSADGMLT FCGPKIQTGL DATHAERAIP VSREEKPTSA PSS

Characteristics: Purified recombinant Human CRYAA protein
Expression System: E.coli
Molecular weight on SDS-PAGE will appear higher.

Purity: > 95 % pure

Target Details

Target: CRYAA

Alternative Name: CRYAA ([CRYAA Products](#))

Background: 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

Target Details

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. The expression of alpha-A is preferentially restricted to the lens cell.

Alternative Names: Alpha-crystallin A chain protein, Crystallin Alpha 1 protein, Acry-1 protein, CRYAA protein, HSPB 4 protein, Crystallin alpha A protein, , HspB4 protein, CRYA 1 protein, Heat shock protein beta 4 protein, Zonular Central Nuclear Cataract protein, Alpha crystallin A chain protein, CRYA1 protein, Heat shock protein beta-4 protein

Molecular Weight: 19.9 kDa (173 AA)

Pathways: [M Phase](#)

Application Details

Application Notes: CRYAA protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

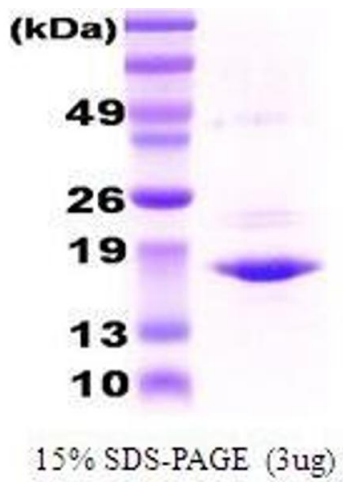
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris-HCl buffer, pH 7.5, containing 50 mM NaCl, 0 mM EDTA.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.