Datasheet for ABIN934884

CRYAB Protein

1 Image

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Overview

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

Product Details

Sequence:	MDIAIHHPWI RRPFFPFHSP SRLFDQFFGE HLLESDLFPT STSLSPFYLR PPSFLRAPSW FDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKK
Characteristics:	Purified recombinant Human CRYAB protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 95 % pure

Target Details

Target:	CRYAB
Alternative Name:	CRYAB (CRYAB 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

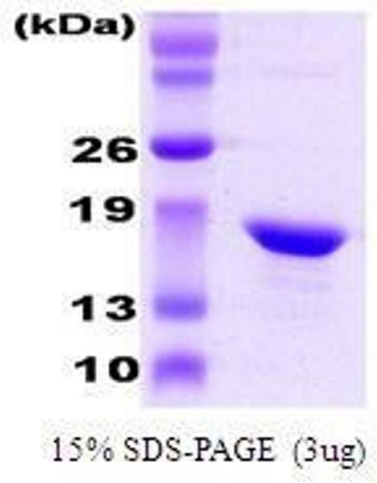
	small heat shock protein(sHSP also known as the HSP20). They act as molecular chaperones and hold them in in large soluble aggregates. These heterogeneous aggregates consist of 30-40 subunits, the alpha-A and alpha-B subunits have a 3:1 ratio, respectively. Two additional functions of alpha-crystallins are an autokinase activity and participation in the intracellular architecture. Alpha-B is expressed widely in many tissues and organs and occurs in many neurological diseases. Alternative Names: CRYAB protein, Rosenthal fiber component protein, , Renal carcinoma protein NY-REN-27 protein, AACRYA protein, Crystallin alpha polypeptide 2 protein, CTPP 2 protein, NY REN 27 protein protein, Heat shock protein beta 5 protein, HspB5 protein, CRYAB (Crystallin alpha B) protein, Renal carcinoma protein NY REN 27 protein, Alpha(B) crystallin protein, Heat shock 20 kD like protein protein, CTPP2 protein, Alpha crystallin B chain protein, CRYA2 protein, Heat shock protein beta-5 protein
Molecular Weight:	20.1 kDa (175 AA)

Application Details

Application Notes:	CRYAB 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.