

Datasheet for ABIN7596350
CRYAB Protein (AA 1-175) (His tag)



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Overview

Quantity:	500 µg
Target:	CRYAB
Protein Characteristics:	AA 1-175
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CRYAB protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MDIAIHPWI RRPFFPFHSP SRLFDQFFGE HLLESDFPT STSLSPFYLR PPSFLRAPSW FDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKK
Purity:	> 90% by SDS-PAGE

Target Details

Target:	CRYAB
Alternative Name:	Crystallin alpha B/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 small heat shock protein (sHSP also known as the HSP20). They act as molecular chaperones

Target Details

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 function 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.

Molecular Weight: 21.2 kDa (183aa)

NCBI Accession: [NP_001876](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.