

Product datasheet

Recombinant Human Alpha B Crystallin protein ab48779

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Description

Product name	Recombinant Human Alpha B Crystallin protein
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MDIAIHPWI RRPFFPFHSP SRLFDQFFGE HLLESDFPT STLSPPFYLR PPSFLRAPSW FDTGLSEMRL EKDRFSVNLD VKHFSPEELK VKVLGDVIEV HGKHEERQDE HGFISREFHR KYRIPADVDP LTITSSLSSD GVLTVNGPRK QVSGPERTIP ITREEKPAVT AAPKK
Predicted molecular weight	20 kDa
Amino acids	1 to 175

Specifications

Our **Abpromise guarantee** covers the use of **ab48779** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE Western blot
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. pH: 7.50
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Constituents: 0.316% Tris HCl, 0.0292% EDTA, 0.29% Sodium chloride

General Info

Function

May contribute to the transparency and refractive index of the lens.

Tissue specificity

Lens as well as other tissues.

Involvement in disease

Defects in CRYAB are the cause of myofibrillar alpha-B crystallin-related (MFM-CRYAB) [MIM:608810]. A neuromuscular disorder that results in weakness of the proximal and distal limb muscles, weakness of the neck, velopharynx and trunk muscles, hypertrophic cardiomyopathy, and cataract in a subset of patients.

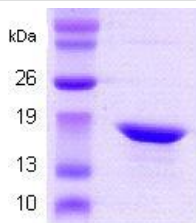
Sequence similarities

Belongs to the small heat shock protein (HSP20) family.

Cellular localization

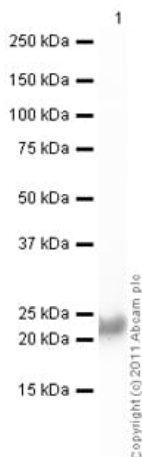
Cytoplasm. Nucleus. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

Images



SDS-PAGE - Recombinant Human Alpha B
Crystallin protein (ab48779)

14% SDS-PAGE gel loaded with ab48779,
recombinant Human alpha B Crystallin,
predicted molecular weight 20.1 kDa



Western blot - Recombinant Human Alpha B
Crystallin protein (ab48779)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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