

## Product datasheet

# Recombinant Mouse Alpha B Crystallin protein ab74970

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### Description

<b>Product name</b>	Recombinant Mouse Alpha B Crystallin protein
<b>Purity</b>	> 95 % SDS-PAGE. ab74970 is purified by using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Mouse
<b>Sequence</b>	MDIAIHPWIRPFFPFHSPSRLFDQFFGEHLLESDFSTA TSLSPFYLR PPSFLRAPSWIDTGLSEMRLEKDRFSVNLDVKHFSPEEL KVKVLGDVIEV HGKHEERQDEHGFISREFHRKYRIPADVDPITITSSSLSSDG VLTVNGPRK QVSGPERTIPITREEKPAVAAAAPKK
<b>Predicted molecular weight</b>	20 kDa
<b>Amino acids</b>	1 to 175

### Specifications

Our **Abpromise guarantee** covers the use of **ab74970** in the following tested applications.

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

**Applications** SDS-PAGE

**Form** Liquid

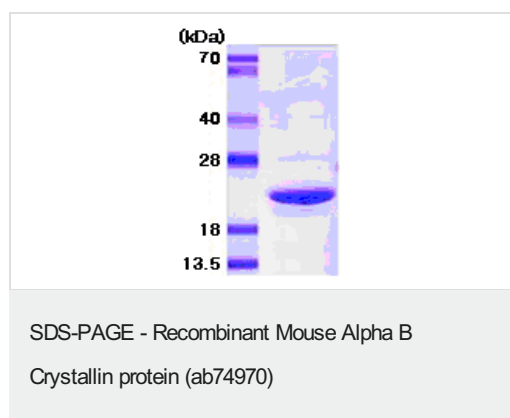
### Preparation and Storage

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.242% Tris, 10% Glycerol (glycerin, glycerine)

## General Info

<b>Function</b>	May contribute to the transparency and refractive index of the lens.
<b>Tissue specificity</b>	Lens as well as other tissues.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the small heat shock protein (HSP20) family.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

## Images



15% SDS-PAGE showing ab74970 at approximately 20kDa. (3μg)

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
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