

## BFSP1 monoclonal antibody, clone FIL-7B10

Catalog # MAB2423

Size 100 ug

### Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against native BFSP1.
<b>Immunogen</b>	Native from human and bovine lens filament enriched fraction (plasma membrane-cytoskeleton complex).
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	115
<b>Reactivity</b>	Bovine, Human
<b>Form</b>	Lyophilized
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Western Blot (1-2 ug/mL) Immunohistochemistry (Frozen sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from 1.2% sodium acetate (2 mg BSA, 0.01 mg sodium azide)
<b>Storage Instruction</b>	Store at -20°C on dry atmosphere. After reconstitution with 1 mL of 1.2% sodium acetate or neutral PBS and concentration will be 100 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Immunohistochemistry (Frozen sections)

## Gene Info — BFSP1

Entrez GeneID [631](#)

GeneBank Accession# [BC041483](#)

Protein Accession# [AAH41483](#)

Gene Name BFSP1

Gene Alias CP115, CP94, FILENSIN, LIFL-H

Gene Description beaded filament structural protein 1, filensin

Omim ID [603307 611391](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** More than 99% of the vertebrate ocular lens is comprised of terminally differentiated lens fiber cell s. Two lens-specific intermediate filament-like proteins, CP49 (also known as phakinin) and the pr otein product of this gene, filensin, are expressed only after fiber cell differentiation has begun. Bo th proteins are found in a structurally unique cytoskeletal element that is referred to as the beaded filament (BF). Mutations in this gene are the cause of autosomal recessive cortical juvenile-onset cataract. Multiple transcript variants encoding different isoforms have been found for this gene. [pr ovided by RefSeq

**Other Designations** OTTHUMP00000030329|cytoskeletal protein, 115 KD|filensin

## Gene Info — BFSP1

Entrez GeneID [281644](#)

GeneBank Accession# [BC041483](#)

Protein Accession# [AAH41483](#)

Gene Name BFSP1

Gene Alias -

Gene Description beaded filament structural protein 1, filensin

Gene Ontology [Hyperlink](#)

Gene Summary -

Other Designations

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## Publication Reference

- [Isolation of the human beaded-filament structural protein 1 gene \(BFSP1\) and assignment to chromosome 20p11.23-p12.1.](#)

Rendtorff ND, Hansen C, Silahtaroglu A, Henriksen KF, Tommerup N.

Genomics 1998 Oct; 53(1):114.

- [Chromosomal locations of the genes for the beaded filament proteins CP 115 and CP 47.](#)

Hess JF, Casselman JT, FitzGerald PG.

Current Eye Research 1995 Jan; 14(1):11.