

Recombinant Full Length Human BFSP1 Protein, GST-tagged

Cat. No. BFSP1-1617HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BFSP1 full-length ORF (AAH41483, 1 a.a. - 540 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	540 amino acids
Description	More than 99% of the vertebrate ocular lens is comprised of terminally differentiated lens fiber cells. Two lens-specific intermediate filament-like proteins, CP49 (also known as phakinin) and the protein product of this gene, filensin, are expressed only after fiber cell differentiation has begun. Both 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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	84.92 kDa
AA Sequence	MYENECECQL LLKEMLERLN KEADEALLHN LRLQLEAQFL QDDISAAKDR HKKNLLEVQT YISILQQIIH TTPASIVTS GMREEKLLTE REVAALRSQL EEGREVLSHL QAQRVELQAQ TTITLEQAIKS AHECYDDEIQ LYNEQIETLR KEIEETERVL EKSSYDCRQL AVAQQTLKNE LDRYHRIIEI EGNRLTSAFI

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ETPIPLFTQS HGVSLSTGSG GKDLTRALQD ITAAKPRQKA LPKNVPRRKE
 IITKDKTNGA LEDAPLKGLE DTKLVQVVLK EESESKFESE SKEVSPLTQE
 GAPEDVPDGG QISKGFGKLY RKVKEKVRSP KEPETPTELY TKERHVLVTG
 DANYVDPRFY VSSITAKGGV AVSVAEDSVL YDGQVGPSPE SPKPPLENGQ
 VGLQEKEGQ PIDQQPIDKE IEPDGAEELEG PEEKREGEER DEESRRPCAM
 VTPGAEEPSI PEPPKPAADQ DGAEVLGTRS RSLPEKGPPK ALAYKTVEV
 ESIEKISTES IQTYEETAVI VETMIGKTKS DKKKSGEKSS

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BFSP1 beaded filament structural protein 1, filensin [Homo sapiens]

Official Symbol BFSP1

Synonyms BFSP1; beaded filament structural protein 1, filensin; filensin; CP94; CP115; LIFL H; cytoskeletal protein, 115 KD; lens intermediate filament-like heavy; lens fiber cell beaded-filament structural protein CP 115; LIFL-H

Gene ID 631

mRNA Refseq NM_001161705

Protein Refseq NP_001155177

MIM 603307

UniProt ID Q12934

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