

Recombinant Human BFSP1 Protein, GST-tagged

Cat. No. BFSP1-202H **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	Wheat Germ
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	MYENECECQLLLKEMLERLNKEADEALLHNLRLQLEAQFLQDDISAAKDRHKKNLLE VQTYISILQQIIHTTPPASIVTSGMREEKLLTEREVAALRSQLEEGREVLSHLQAQRVE LQAQTTTLEQAIKSAHECYDDEIQLYNEQIETLRKEIEETERVLEKSSYDCRQLAVAQ QTLKNELDRYHRIIEIEGNRLTSAFIETPIPLFTQSHGVSLSTGSGGKDLTRALQDITAA KPRQKALPKNVPRRKEITKDKTNGALEDAPLKGLEDTKLVQVVLKEESESKEFESESK EVSPLTQEGAPEDVPDGGQISKGFGKLYRKVKEKVRSPKEPETPTELYTKERHVLVT

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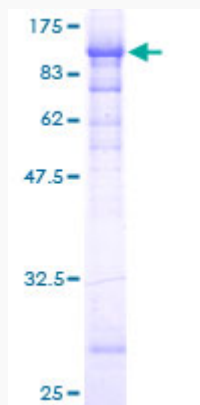
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GDANYVDPRFYVSSITAKGGVAVSVAEDSVLYDGQVGPSPEPKPPLENGQVGLQE
KEDGQPIDQQPIDKEIPDGAELEGPEEKREGEERDEESRRPCAMVTPGAEEPSIPE
PPKPAADQDGAEVLGTRSRSLPEKGPPKALAYKTVEVVESIEKISTESIQTYEETAVIV
ETMIGKTKSDKKKSGEKSS

Notes	Best use within three months from the date of receipt of this protein.
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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