

Recombinant Human BFSP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BFSP1-3209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BFSP1 MS Standard C13 and N15-labeled recombinant protein (NP_001186) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a lens-specific intermediate filament-like protein named filensin. The encoded protein is expressed in lens fiber cells after differentiation has begun. This protein functions as a component of the beaded filament which is a cytoskeletal structure found in lens fiber cells. Mutations in this gene are the cause of autosomal recessive cortical juvenile-onset cataract. Alternate splicing results in multiple transcript variants.
Molecular Mass	74.4 kDa
AA Sequence	MYRRSYVFQTRKEQYEHAEASRAAEPPERPADEGWAGATSLAALQGLGERVAHV QRARALEQRHAGLRRQLDAFQRLGELAGPEDALARQVESNRQRVRDLEAERARLE RQGTEAQRALDEFRRSKYENECQLLLKEMLERLNKEADEALLHNLRLQLEAQFLQ DDISAAKDRHKKNLLEVQTYISILQQIIHTTPPASIVTSGMREEKLLTEREVAALRSQLE EGREVLSHLQAQRVELQAQTTTLEQAIKSAHECYDDEIQLYNEQIETLRKEIEETERV LEKSSYDCRQLAVAQQTLKNELDRYHRIIEIEGNRLTSAFIETPIPLFTQSHGVSLSTG SGGKDLTRALQDITAAKPRQKALPKNVPRRKEITKDKTNGALEDAPLKGLEDTKLVQ

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VVLKEESESKEFESESKEVSPLTQEGAPEDVPDGGQISKGFGKLYRKVKEKVRSPKE
 PETPTELYTKERHVLVTGDANYVDPRFYVSSITAKGGVAVSVAEDSVLYDGQVEPSP
 ESPKPPLENGQVGLQEKEGQPIDQQPIDKEIEPDGAELEGPEEKREGEERDEESR
 RPCAMVTPGAEEPSIPEPPKPAADQDGAEVLGTRSRSLPEKGPPKALAYKTVEVVE
 SIEKISTESIQTYEETAVIVETMIGKTKSDKKKSGEKSSTRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BFSP1 beaded filament structural protein 1 [Homo sapiens (human)]

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_001195

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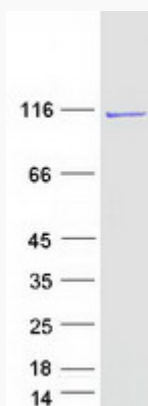
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Protein Refseq NP_001186

MIM 603307

UniProt ID Q12934

SDS-PAGE



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