

## Product datasheet for PH313412

### Filensin (BFSP1) (NM\_001195) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BFSP1 MS Standard C13 and N15-labeled recombinant protein (NP_001186)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213412
Predicted MW:	74.4 kDa
Protein Sequence:	>RC213412 representing NM_001195 Red=Cloning site Green=Tags(s)

MYRRSYVFQTRKEQYEHAEASRAAEPERPADEGWAGATSLAALQGLGERVAAHVQRARALEQRHAGLRR  
QLDAFQRLGELAGPEDALARQVESNRQRVRDLEAERARLERQGTAEQRALDEFRSKYENECECQLLLKEM  
LERLNKEADEALLHNLRLQLEAQFLQDDISAAKDRHKKNLLEVQTYISILQQIIHTTPPASIVTSGMREE  
KLLTEREVAALRSQLEEGREVLSHLQAQRVELQAQTTTLEQAIKSAHECYDDEIQLYNEQIETLRKEIEE  
TERVLEKSSYDCRQLAVAQQTLEKNELDYHRIIEIEGNRLTSAFIETPIPLFTQSHGVSLSTGSGGKDLT  
RALQDITAAKPRQKALPKNVPRRKEIITKDKTNGALEDAPLKGLEDTKLVQVVLKEESESKFESEKESVS  
PLTQEGAPEDVPDGGQISKGFGLYRKYVKEKVRSPKEPTPEL YTKERHVLVTGDANYVDPFRFYVSSIT  
AKGGVAVVAEDSVLYDGVQVPEVSPKPPLENGQVGLQEKEDGQPIDQPIDKEIEPDGAELEGPEEKR  
EGEERDEESRRPCAMVTPGAEEPSIPEPPKPAADQDGAEVLGTRSRSRLEPKGPPKALAYKTVEVVEISIEK  
ISTESIQTYEETAIVIVETMIGTKSDKKKSGEKSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001186</a>
RefSeq Size:	2176



[View online »](#)

RefSeq ORF: 1995

Synonyms: CP94; CP115; CTRCT33; LIFL-H

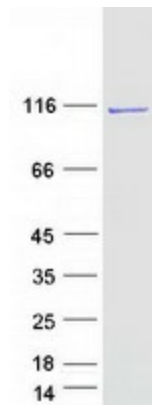
Locus ID: 631

UniProt ID: [Q12934](#)

Cytogenetics: 20p12.1

**Summary:** 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. [provided by RefSeq, Jul 2013]

### Product images:



Coomassie blue staining of purified BFSP1 protein (Cat# [TP313412]). The protein was produced from HEK293T cells transfected with BFSP1 cDNA clone (Cat# [RC213412]) using MegaTran 2.0 (Cat# [TT210002]).