

Product datasheet for PH319996

BFSP2 (NM_003571) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BFSP2 MS Standard C13 and N15-labeled recombinant protein (NP_003562)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219996
Predicted MW:	45.9 kDa
Protein Sequence:	>RC219996 protein sequence Red=Cloning site Green=Tags(s)

MSERRVVVDLPTSASSMPLQRRRASFRGPRSSSSLESPPASRTNAMSGLVRAPGVYVGTAPSGCIGGLG
ARVTRRALGISSVFLQGLRSSGLATVPAPGLERDYGAVEDLGGCLVEYMAKVHALEQVSQELETQLRMHL
ESKATRSGNWGALRASWASSCQQVGEAVLENARLMLQTETIQAGADDFKERYENEQPFKAAEEEEINSLY
KVIDEANLTKMDLESQIESLKEELGSLSRNYEEDVKLLHKQLAGCELEQMDAPIGTGLDDILETIRIQWE
RDVEKNRVEAGALLQAKQQAQAEVAHMSQTQEEKLAALRVELHNTSCQVQSLQAETESLRALKRGLLENTLH
DAKHWHDMELQNLGAVVGRLEAELREIRAEAEQQQERAHLLARKCQLQKDVASYHALLDREESG

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_003562
RefSeq Size:	1595
RefSeq ORF:	1245
Synonyms:	CP47; CP49; CTRCT12; LIFL-L; PHAKOSIN
Locus ID:	8419



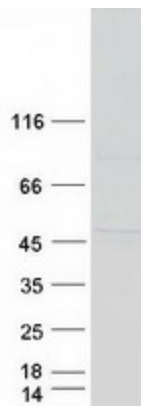
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UniProt ID: [Q13515](#)

Cytogenetics: 3q22.1

Summary: More than 99% of the vertebrate ocular lens is comprised of terminally differentiated lens fiber cells. Two lens-specific intermediate filament-like proteins, the protein product of this gene (phakinin), and 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 have been associated with juvenile-onset, progressive cataracts and Dowling-Meara epidermolysis bullosa simplex. [provided by RefSeq, Jun 2009]

Product images:



Coomassie blue staining of purified BFSP2 protein (Cat# [TP319996]). The protein was produced from HEK293T cells transfected with BFSP2 cDNA clone (Cat# [RC219996]) using MegaTran 2.0 (Cat# [TT210002]).