

Recombinant Human BFSP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BFSP2-1494H Lot. No. (See product label)

SPECIFICATION

Product Overview	BFSP2 MS Standard C13 and N15-labeled recombinant protein (NP_003562) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	45.9 kDa
AA Sequence	MSERRVVVDLPTSASSSMPLQRRRASFRGPRSSSSLESPPASRTNAMSGLV RAPG VYVGTAPSGCIGGLGARVTRRALGISSVFLQGLRSSGLATVPAPGLERDHGAVEDL GGCLVEYMAKVHALEQVSQELETQLRMHLESKATRSNGWALRASWASSCQQVG EAVLENARLMLQTETIQAGADDFKERYENEQPFRKAAEEEINSLYKVIDEANLTKMDL ESQIESLKEELGSLSRNYEEDVKLLHKQLAGCELEQMDAPIGTGLDDILETIRIQWER DVEKNRVEAGALLQAKQQA EVAHMSQTQEEKLAAALRVELHNTSCQVQSLQAETE

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SLRALKRGLENTLHDAKHWHDMELQNLGAVVGRLEAELREIRAEAEQQQERAHLL
ARKCQLQKDVASYHALLDREESGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [BFSP2 beaded filament structural protein 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [BFSP2](#)

Synonyms BFSP2; beaded filament structural protein 2; CP47; CP49; LIFL-L; CTRCT12; PHAKOSIN;

Gene ID [8419](#)

mRNA Refseq [NM_003571](#)

Protein Refseq [NP_003562](#)

MIM [603212](#)

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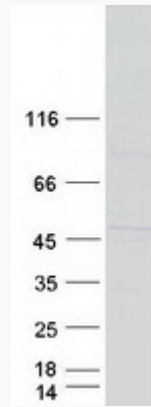
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UniProt ID

Q13515

SDS-PAGE



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