

Product datasheet for **SC336771**

Filensin (BFSP1) (NM_001278607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Filensin (BFSP1) (NM_001278607) Human Untagged Clone
Tag:	Tag Free
Symbol:	BFSP1
Synonyms:	CP94; CP115; CTRCT33; LIFL-H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

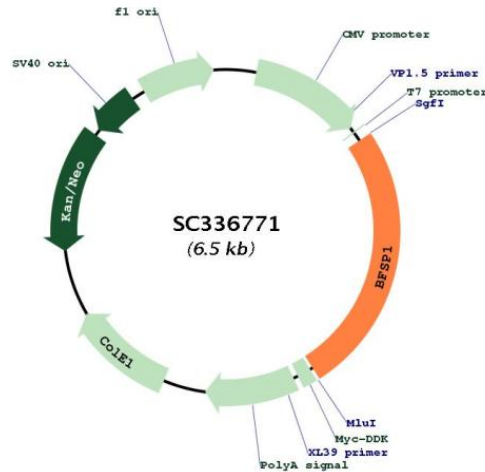


[View online »](#)

Fully Sequenced ORF: >SC336771 representing NM_001278607.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGATTTTCAAATTTACAGAAGGAGCCTCCATGCTGGAGAAAGTATGAAAATGAGTGCGAATGTCAA
CTCCTGCTAAAAGAAATGCTTGAACGGCTTAACAAGGAAGCTGATGAAGCCTTGCTGCATAACCTACGC
CTTCAGCTGGAAGCCCAATTTCTGCAAGATGATATCAGTGCGGCAAGGACAGGCACAAGAAGAATCTT
CTGGAAGTTCAGACCTATATCAGCATCCTGCAGCAGATCATCCACACCACTCCTCCAGCATCCATTGTG
ACGAGTGGGATGAGGGAGGAGAAGCTCCTGACGGAGCGGGAGGTGGCCGCCCTGCGGAGTCACTGGAG
GAGGGCCGGGAGGTGCTCTCCACCTGCAGGCGCAGAGAGTGGAGCTGCAGGCACAGACAACAACCTG
GAACAAGCTATTAAGAGTCCCATGAGTGTATGACGATGAGATTCAGCTTTATAACGAGCAGATTGAG
ACACTGCGCAAGGAGATTGAGGAGACAGAGCGGGTCTGGAGAAGTCTTCTTACGACTGCCGGCAGCTG
GCGGTGCGCCAGCAAACCTGAAGAATGAGCTGGACCGGTATCATCGTATCATCGAGATTGAAGGCAAC
AGGCTGACCTCTGCCTTATTGAACTCCATTCCCCTGTTACCCAGAGCCATGGAGTCTCTCAGC
ACTGGATCCGGTGGGAAAGATCTTACCAGAGCTCTGCAGGATATAACAGCAGCAAAACCAAGACAAAA
GCCCTCCCAAGAATGTTCCAAGGAGAAAAGAGATTATAACAAAAGACAAAACCAACGGAGCTCTGGAA
GATGCACCATTAAGAGTTTGGAAAGACAAAAGCTGGTACAGGTGGTACTTAAAGAGGAAAGTGAATCT
AAGTTTGAATCAGAAAGTAAAGAAGTAAGTCCCCTGACACAAGAAGGGGCTCCAGAGGATGTGCCAGAT
GGAGGGCAGATAAGCAAAGGCTTTGGGAAACTATACAGGAAGGTCAAGGAGAAAGTGAGAAGCCCCAAA
GAGCCTGAGACCCCACTGAGCTCTACACCAAAGAGCGGCACGTGCTGGTACAGGGGATGCCAATTAC
GTGGACCCTAGATTCTATGTCTCCTCCATCACAGCTAAAGGTGGGGTGGCTGTTTCTGTTGCGGAAGAC
TCTGTGCTTTATGACGGCCAGGTGGAGCCCTCCTGAGTCACCCAAGCCCCCTTTAGAGAATGGGCAG
GTGGTCTGCAGGAGAAAGAAGATGGACAACCAATTGACCAGCAGCCTATAGACAAGGAGATTGAGCCA
GATGGTGCAGAGCTGGAAGGCCCTGAAGAGAAACGTGAGGGTGGAGAGCGGGACGAAGAGTCCAGGAGA
CCCTGTGCCATGGTACACCCGGTGCAGAGGAACCATCTATACCTGAGCCTCCAAGCCTGCGGCTGAT
CAGGATGGAGCTGAGGTGCTTGGGACTAGGAGCAGAAGCCTGCCAGAAAAAGGCCCTCCAAGGCTTTG
GCCTATAAGACAGTGGAAGTGGTGAATCTATCGAGAAGATTTCCACGGAGAGCATTAGACATATGAA
GAAACCGCTGTGATCGTGGAGACCATGATTGAAAGACAAAGTCAGACAAGAAGAATCAGGAGAGAAG
AGCTCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001278607

Insert Size: 1665 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001278607.1](#)

RefSeq Size: 2073 bp

RefSeq ORF: 1665 bp

Locus ID: 631

UniProt ID: [Q12934](#)

Cytogenetics: 20p12.1

MW: 62 kDa

Gene 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]

Transcript Variant: This variant (4) uses an alternate splice site in the 5' most exon which results in the use of alternate start codon, compared to variant 1. The encoded isoform (4) has a longer and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.