

Product datasheet for **SC327585**

Filensin (BFSP1) (NM_001161705) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Filensin (BFSP1) (NM_001161705) Human Untagged Clone
Tag:	Tag Free
Symbol:	BFSP1
Synonyms:	CP94; CP115; CTRCT33; LIFL-H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001161705, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTATGAAAAATGAGTGCGAATGTCAACTCCTGCTAAAAGAAATGCTTGAACGGCTTAAC AAGGAAGCTGATGAAGCCTTGCTGCATAACCTACGCCTTCAGCTGGAAGCCCAATTTCTG CAAGATGATATCAGTGCGGCAAAGGACAGGCACAAGAAGAATCTTCTGGAAGTTCAGACC TATATCAGCATCTGCAGCAGATCATCCACACCACTCCTCCAGCATCCATTGTGACGAGT GGGATGAGGGAGGAGAAGCTCCTGACGGAGCGGGAGGTGGCCGCCCTGCGGAGTCAGTG GAGGAGGGCCGGGAGGTGCTCTCCACCTGCAGGCGCAGAGAGTGGAGCTGCAGGCACAG ACAACAACCTCTGGAACAAGCTATTAAGTGCCTATGAGTGTTATGACGATGAGATTGAG CTTTATAACGAGCAGATTGAGACTGCGCAAGGAGATTGAGGAGACAGAGCGGGTCTG GAGAAGTCTTCTTACGACTGCCGCGAGCTGGCGGTGCGCCAGCAAACCCTGAAGAATGAG CTGGACCGGTATCATCGTATCATCGAGATTGAAGGCAACAGGCTGACCTCTGCCTTCATT GAAACTCCCATTCCCCTGTTACCCAGAGCCATGGAGTCTCTCAGCACTGGATCCGGT GGGAAAGATCTTACCAGAGCTCTGCAGGATATAACAGCAGCAAAACCAAGACAAAAGCC CTCCCAAGAATGTTCCAAGGAGAAAAGAGATTATAACAAAAGACAAAACCAACGGAGCT CTGGAAGATGCACCATTAAAAGGTTTGAAGACAAAAGCTGGTACAGGTGGTACTTAAA GAGGAAAGTGAATCTAAGTTTGAATCAGAAAGTAAAGAAGTAAGTCCCCTGACACAAGAA GGGGCTCCAGAGGATGTGCCAGATGGAGGGCAGATAAGCAAAGGCTTTGGGAAACTATAC AGGAAGGTCAAGGAGAAAAGTGAGAAGCCCCAAAGAGCCTGAGACCCCACTGAGCTCTAC ACCAAAGAGCGGCACGTGCTGGTACAGGGGATGCCAATTACGTGGACCCCTAGATTCTAT GTCTCCTCCATCACAGCTAAAGTGGGGTGGCTGTTTCTGTTGCGGAAGACTCTGTGCTT TATGACGGCCAGGTGGAGCCCTCTCCTGAGTCACCAAGCCCCCTTTAGAGAATGGGCAG GTGGGTCTGCAGGAGAAAAGATGGACAACCAATTGACCAGCAGCCTATAGACAAGGAG ATTGAGCCAGATGGTGCAGAGCTGGAAGGCCCTGAAGAGAAACGTGAGGGTGAGGAGCGG GACGAAGAGTCCAGGAGACCCTGTGCCATGGTTCACCCCGGTGCAGAGGAACCATCTATA CCTGAGCCTCCAAAGCCTGCGGCTGATCAGGATGGAGCTGAGGTGCTTGGGACTAGGAGC AGAAGCCTGCCAGAAAAAGGCCCTCCCAAGGCTTTGGCCTATAAGACAGTGGAAGTGGT GAATCTATCGAGAAGATTTCCACGGAGAGCATTACAGACATATGAAGAAACCGCTGTGATC GTGGAGACCATGATTGAAAAGACAAAGTCAGACAAGAAGAATCAGGAGAGAAGAGCTCT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001161705
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001161705.1](#), [NP_001155177.1](#)

RefSeq Size: 2077 bp

RefSeq ORF: 1623 bp

Locus ID: 631

UniProt ID: [Q12934](#)

Cytogenetics: 20p12.1

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 (2) differs in the 5' UTR and uses an alternate start codon compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.