

## Product datasheet for **SC336616**

### Filensin (BFSP1) (NM\_001278608) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Filensin (BFSP1) (NM_001278608) 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)



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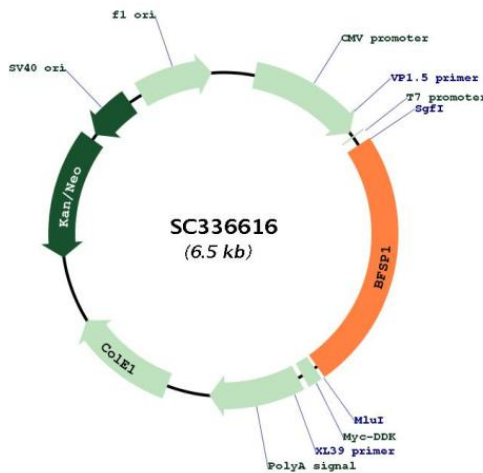
**Fully Sequenced ORF:** >SC336616 representing NM\_001278608.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCTTGAACGGCTTAAACAAGGAAGCTGATGAAGCCTTGCTGCATAACCTACGCCTTCAGCTGGAAGCC
CAATTTCTGCAAGATGATATCAGTGCAGCAAGGACAGGCACAAGAAGAATCTTCTGGAAGTTCAGACC
TATATCAGCATCCTGCAGCAGATCATCCACACCACTCCTCCAGCATCCATTGTGACGAGTGGGATGAGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:**



**ACCN:** NM\_001278608

<b>Insert Size:</b>	1581 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001278608.1</a>
<b>RefSeq Size:</b>	2198 bp
<b>RefSeq ORF:</b>	1581 bp
<b>Locus ID:</b>	631
<b>UniProt ID:</b>	<a href="#">Q12934</a>
<b>Cytogenetics:</b>	20p12.1
<b>MW:</b>	58.6 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (5) uses an alternate 5' structure and uses a downstream start codon, compared to isoform 1. The encoded isoform (3) has a shorter N-terminus compared to isoform 1. Variants 3 and 5 encode the same isoform (3).</p>