

## Product datasheet for **SC103023**

### **FBLIM1 (AK090827) Human Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | FBLIM1 (AK090827) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | FBLIM1                                 |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK090827, the custom clone sequence may differ by one or more nucleotides

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GTGTAACATCTCTATGGGGTGATGCATGCAGATAAATGTTTATGTGAACATATAAAGTCTGCATGTGTG
GGTGAACACTCCACATCAGGTCATTGTCCATCATTACATATCTGTGGTGTCTGGCTCATTCTCGTCTT
TCTGTCATTTTACCTACTTTTACCTGAAGTACAATGACTATTTAATAACTATTAATGTTTCATTTACAGC
TACACCTCTATGGTATTTTTTACCTCATATCATACCTTCTCCCTCACTGGACTTCAGTGTGGGACCT
GCAGGTCTCAGGCCTTCTGGGAAGTCCCAGCTTTTCTTGAATGTTTTCTCTCTCTGGCCAGCTCAGGCTG
GAGCAGTGGGTGTTGGTGCCATCCTGTGGCTATAGGTGATAAGCCGGCTGTTCTTCACTGACCTGGTCTT
ACCTTGAACCCTGGAGTTCTCACATGCATGGATTTAAATGCTGTGTCTTTCTAAGGGCACATTATGGCCA
TTTTCTTATCTCCCTCCCAAGGGGCTGTTTGTGTGTTATTGACTCCCTGTTAAAAAACATATATAT
ATATATATATAGACGAATTAGGTTGTACCCATAAATGTCATGTTGAAAAATATTTCAAAGAATGGT
TTATTTTTTTTTGCTGATTTTTATGTATCTTCTAAATTGTATATTTATGGGGTATAAAATGATGTTGT
GATTTTTCAATACAGTGTGAATGAGAATCAAATTAACCTATCCGTTACCTCAAGTACTTGACTTTTTTT
GTGATGAGAAGGCTGTTTATCACTTTCACCTACCAGCTCCTGCTGTCTTCCATGCCTGGGGACAGGAAGG
CTCCACGCTTGACTTTCCCTCCTGTTTTCTTATCTGCTGTCAACCCCTGAATGTACCCTCCAGGATTGCC
TTCTAGACCTTCTACATCTAGCTCGATCATTGTGCACCCACCTTCTCCAGGGACTGTCCTTAGGGAGT
GACTTTATGCACAAACTCACATGCTCTTCTGCCTCCTTCATCCCCATAAGCCCCATCTCAGCCCCAT
CTGATTATTTTCCCTGTCTCATTTCCTGTCTGCTGTTGGTTTTCTAACCTGAAGGGTAACCTTCTACTC
CTTAGTTTTTGCCTTAATTTCTAAGTCATAGGCTACTTTCAGGCTAAAAGTTTTCTCCAGCCATGGTT
TTAGTCTCATTCTATAAGTCTTGCTAGGTAGTTTATTCATTGAAATTTTTGTTTTGAGACAGAGTCT
CGCTGTGCACCCAGGCTGTAGTACAGTGGTGCCATCTCAGCTCACTGCAACCTCCGGTCCCGGGCTCA
AGCAGTTCTCTTTCCTCAGCCTCCTGAGTAGCTGGGATTATGGGTGCCTGCCACCACACCCAGCTAATTT
TTGATTTTTTAGTAGAGACGGCATTTCACCATGTGAGCCAGGTTGGTCTCGAACTTTGACCTCAAGTGA
TCCGCCACCTTGGCCTCCCAAAATACTGGGATTACAGGGGTGAGTCACCACACCCACCCCTTGGCACT
ATATTTAAGTGATGATATTTTTGGACACTGAGGTAGCCTCATTCCACAGGTTTAGATCTGAAGCATTTC
ACTATTGCTTCTTCCATGTATTTCTGGTTTGCAGGTCAGTTTCTTCTTTAATTCATCATTGACACAG
TGGTTTATATGGCTTTAATTTCAAAGATTTTTTAAAAATATCTTTTGGCGATTTTTATCTATGTTAAT
TTAACTAGACATGTTCCCTGGAAGGACATCACTAGTTTTTTTTTTTTTTTTTTTTTCACTCTGTTTATA
ATTTAGGTGGATTTTACATCTCAAGCCAGCTAAGAGTATGGGAAATAGGACTCGTTAAAGCACAGATAT
CACACAAGTGATTCAGATTCACGAGGGTAATCCAGATGAAGGTATATCATTGTACCTGGCCCGCATCACT
CAGTAACTGTCACCTTTGATTTATTGATTTACTTGAGATGGAGTTTGGTCTGTCCCCGAGGCGGAGTG
CAATGGCGTGATCTGTCTCACTGCAACCTCTGCCTCCAGGTTCCAGAGTGATTCTCCTGCCTCAGCCTC
TTAGCTGGGATTACAGGCACCCACCAACATGCCAGCTAATTTTTGTATTTTTAGTAGAGAGGAGCTTT
CACCATAATGGCCAGGCTGGTCTTGAACCCCAATGATCTGCCACCTTGGCCTCCCAAAGTGCTAGGAT
TACAGGCTGGAGCTACAGAGCCAGCCTGTCACCTTGATTTAAATGAATGCAGCTTTCTTGGTGTCTTGA
TGTTTGTGAATTTCTGTGGAGTTTGATACTGCTCCTTTTGCTGCTGTTTTTCCAGAGTCCCTTATCAC
TTGACGTGCTGTTATATTATGTTTGATTTATTACAGATACCCCATCAGCCTGAGTCTCTTAAAGGCCTTT
ATACACATATGTCTACACATAGGGATTTGGATGATCTCGGGATCCACATCCTCGCTGTCCCTGTCCCC
CCGCAACATCCCCACCAATACCTTTCTGAAGTTTTCTAGTCCCTCCTTTTTGTTTGTGCTCCTTAAAGC
CCAGCCCCATGCCTGACTTTGGTCCCAGTGAGCATTGTACATTTGTGGATATTAATCTTTGGCAAAGT
CATTTACCTGGG
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK090827 unedited  
 AATTTGTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGTTGACTTCACA  
 GTGTCAGTGCAGTTTGTGTAACATCTCTATGGGGTGATGCATGCAGATAAATGTTTATG  
 TGAACATATAAAGTCTGCATGTGTGGGTGAACACTCCACATCAGGTCATTGTCCATCATT  
 ACATATCTGTGGTGTCTGGCTCATTTCGTCCTGTTTTCTGCATTTTACCTACTTTTACCT  
 GAAGTACAATGACTATTTAATAACTATTAATGTTTCATTTTCAGCTACACCTCTATGGTA  
 TTTTTTTCACCTCATATCATACTTCTCCCTCACTGGACTTCAGTGTGGGACCTGCAGG  
 TCTCAGGCCTTCTGGGAAGTCCCAGCTTTTCTGAATGTTCTCTCTCTGGCCAGCTCA  
 GGCTGGAGCAGTGGGTGTTGGTGCCATCCTGTGGCTATAGGTGATAAGCCGGCTGTTCTT  
 CACTGACCTGGTCTTACCTTGAACCCTGGAGTTCTCACATGCATGGATTTAAATGCTGTG  
 TCTTTCTAAGGGCACATTATGGCCATTTTCCTTATCTCCCTCCCAAGGGGCTGTTTGCTG  
 TGTTTTATTGACTCCCTGTTTAAAAAACATATATATATATATATAGACGAATTAGGT  
 TGTACCCATAAATTGCATGTTTGAATAATTTCAAAGAATAGTTTATTTTTTTTTGCT  
 GATTTTTATGTATCTTCTAAATTGTATATTTTATGGGGTATAAATGATGTTGTGATTC  
 TTCAATACAGTGTGAATGAGAATCAAATTAACCTATCCGTTACCTCCAGTACTTGACTT  
 TTTTTGTGATGAGAAGCTGNTTATCACTTCACTACCAACTCCTGCTGCTTTTCATGCT  
 TNGACAGNAAAAGCTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for AK090827 unedited  
 TATGAACCCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TCCACCCAGGTAATGACTTTGCCAAAAATTTAATATCCACAAATGTACAATGCTCACT  
 GGAACCAAAGTCAGGCATGGGGCTGGGCTTTAAGGAGCACAAACAAAAGGAGGGACTA  
 GAAAACCTCAAAAAGGTATTGGTGGGGGATGTTGCAGGGGACAGGGACAGCGAGGATG  
 TGGGATCCCGAGATCATCCAAATCCCTATGTGTAGACATATGTGTATAAAGGCCTTTAAA  
 AGACTCAGGCTGATGGGGTATCTGTAATAAATCAAACATAATATAACAGCACGTCAGTG  
 ATAAGGGGACTCTGGAACCAAGCAGCAAAAGGAGCAGTATCAAACCTCCACAGAAATTC  
 ACAACATCAAGACACCAAGAAAGCTGCATTCAATTTAAATCAAGGTGACAGGCTGGGCTC  
 TGAGCTCCAGCCTGTAATCCTAGCACTTTGGGAGGCCAAGGTGGGCAGATCATTGAGG  
 TTCAAGACCAGCCTGGCCATTATGGTAAAAGCTCCTCTCTACTAAAAATACAAAAATTAG  
 CTGGGCATGTTGGTGGTGCCTGTAATCCAGCTAAAGAGGCTGAGGCAGGAGAATCACT  
 CTGAACCTGGGAGGCAGAGGTTGTAGTGAGCAGAGATCAGCCATTGCCTCCGGCCTCG  
 GGGACAGAACCAACTCCATCTCAAGTAAATCAATAAATCAAAGGTGACAGTTACTGAGT  
 GATGCCGGCCANGTACAATGATATACCTTCATCTGGATTACCCTCGTGAATCTGAATCAC  
 TTGTGTGATATCTGTGNCCTAACGAGTCCCTATTTCCCATCTAGCTGGCTTGAGATG  
 TGAAAATCCCCCTNATTATAACAGAGTGGAAAAAAAAAAAAAAAAACTAGTGATGCCTTC  
 CAGGGACATGNTTGTAAATTACATAGATAAAAAATCGCAAAGAATT

**Restriction Sites:**

NotI-NotI

**ACCN:**

AK090827

**Insert Size:**

2500 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:** [AK090827.1](#)

**RefSeq Size:** 2672 bp

**RefSeq ORF:** 2672 bp

**Locus ID:** 54751

**Cytogenetics:** 1p36.21

**Gene Summary:** This gene encodes a protein with an N-terminal filamin-binding domain, a central proline-rich domain, and, multiple C-terminal LIM domains. This protein localizes at cell junctions and may link cell adhesion structures to the actin cytoskeleton. This protein may be involved in the assembly and stabilization of actin-filaments and likely plays a role in modulating cell adhesion, cell morphology and cell motility. This protein also localizes to the nucleus and may affect cardiomyocyte differentiation after binding with the CSX/NKX2-5 transcription factor. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]