

## Product datasheet for **SC107184**

### **FBLIM1 (NM\_017556) Human Untagged Clone**

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | FBLIM1 (NM_017556) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | FBLIM1  |
| Synonyms:                 | CAL; FBLP-1; FBLP1  |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL6</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC107184 sequence for NM_017556 edited (data generated by NextGen Sequencing) |

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ATGGCCTCAAAGCCTGAGAAGAGGGTGGCATCGTCTGTCTTTATCACCCCTGGCACCCCCG
CGCCGCGATGTGGCCGTGGCGGAGGAAGTGAGGCAGGCAGTTTGTGAGGCCCGGCGTGGC
CGCCCCCTGGGAGGCTCCTGCCCCATGAAGACACCCGAGGCTGGCTTGGCGGGGAGGCC
AGCCCCCTGGACAACCCCTGGCAGAGCTGCAGCCACAGTGCAGGCTGCACCTATGCAGCTC
TTCAATGGAGGATGCCCCACCCCTCCTCCTGTCCTGGATGGTGAGGACGTGCTTCCTGAC
CTGGACCTCCTCCACCCCTCCACCGCCCCCTCCAGTGTCTGCTTCTGAAGAGGAG
GCTCCTGCTCCAATGGGGCCTCACTCATTGCAGACTTAGAGCAGCTGCACCTGTCCCCG
CCCCCGCCCCACCACAGGCCCCAGCGGAGGGACCTTCAGTCCAGCCCGTCCCCCTCAGG
CCCATGGAGGAAGAGCTGCCACCTCCCCGGCAGAACCTGTTGAGAAAGGGGCATCCACA
GACATCTGTGCCTTCTGCTACAAGACCGTGTCCCCCGAGAGCTGGCTGTGGAGGCCATG
AAGAGGCAGTACCATGCCAGTGTTCACGTGCCGCACCTGCCGCGCCAGCTGGCTGGG
CAGAGCTTCTACCAGAAGGATGGGCGACCCCTCTGCGAACCTGTACCAGGACACACTG
GAGAGGTGCGGCAAGTGTGGCGAGGTGGTCCGGGACCACATCATCAGGGCCCTGGGCCAG
GCCTTCCACCCCTCCTGCTTACGTGTGTGACCTGCGCCCGGTGCATTGGGGATGAGAGC
TTTGCCCTGGGCAGCCAGAACGAGGTGTACTGCCTGGACGACTTCTACAGGAAATTCGCC
CCCGTCTGCAGCATCTGTGAAAAATCCATCATCCCTCGGGATGGGAAAGATGCCTTCAA
ATCGAATGCATGGGAAGAACTTCCATGAAAATTGCTACAGGTGTGAGGACTGCAGGATC
CTCCTGTCTGTCGAGCCACGGACCAAGGCTGCTACCCCTGAACAACCATCTCTTCTGC
AAGCCATGCCATGTGAAGCGGAGTGCTGCGGGGTGCTGCTGA

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Clone variation with respect to NM\_017556.2  
559 c=>t;572 c=>t



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|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_017556 unedited<br>GGGGGAAAGGGGGANNNNNNTTTTCAACAANNNTTTTTTACCCGCCCGTTGCCCAA<br>GGGCGGTAGGCGGTACGGTGGGNAGTCTATATAAGCAGAGCTCATTTAGGTGACTAT<br>AGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTCGGCACGAGGCGGATCGGA<br>GCCGCCGGGGCGGGCGGCCAGCAGAGCTGGCCTGAACCTCCAGGACTTCAGCCCTTC<br>TAGGAGAATCTGATCCCAGGTGAGGGAGGTCACTTGGGGTGTGGCCAGCAGGCAGGCGG<br>GACTCCAGACTGGGAACGGAAGTCAGCCCTGCTGGGGCTGGGAGCTGAAGCATCTGTCC<br>TTCTCGCGGGTGTGAGACAAGGAAGAGTGATCATTGCCACACCAGGAGCTGAAGCCATG<br>GCCTCAAAGCCTGAGAAGAGGGTGGCATCGTCTGTCTTTATCACCTGGCACCCCGCGC<br>CGCGATGTGGCCGTGGCGGAGGAAGTGAGGCAGGCAGTTTGTGAGGCCCGCGTGGCCGC<br>CCCTGGGAGGCTCCTGCCCATGAAGACACCCGAGGCTGGCTTGGCGGGAGGCCAGC<br>CCCTGGACAACCCCTGGCAGAGCTGCAGCCACAGTGCCGGCTGCACCTATGCAGCTCTTC<br>AATGGAGGATGCCACCCCTCCTCTGTCTGGATGGTGAGGACGTGCTTCTGACCTG<br>GACCTNCTCCACCCCTCCACCGNCCCTCCAGTGCTTCTGCCTTCTGAAGAGGAGGC<br>TCCTGCTCCAATGGGGGCTCACTCATTGCAGACTTAGAGCATGGNACCCTGGGCCCGC<br>CCCGNCCCACCAAGGCCCCAGCGGNAGGACCTTNCAGTCCAGCCCGNTCCCTCA<br>GCCCCATGGAGGAAGAGCTGCCACCTCCCCGGCAGAACCTGTTGAGAAGGGGGCATCCC<br>N |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_017556  |
| <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>                      | <u><a href="#">NM_017556.2</a></u> , <u><a href="#">NP_060026.2</a></u>  |
| <b>RefSeq Size:</b>                 | 3363 bp  |
| <b>RefSeq ORF:</b>                  | 1122 bp  |
| <b>Locus ID:</b>                    | 54751  |
| <b>UniProt ID:</b>                  | <u><a href="#">Q8WUP2</a></u>  |
| <b>Cytogenetics:</b>                | 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]

Transcript Variant: This variant (1) encodes isoform a. Variants 1 and 4 encode the same protein (isoform a).