

Product datasheet for **SC105923**

FBLIM1 (AL834400) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBLIM1 (AL834400) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBLIM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AL834400, the custom clone sequence may differ by one or more nucleotides

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CTCTGACAAGACTTGTGTTAGCAGATTGATGTTTCAGGCTTCAGTATCCTCCTGACTTAACAACAATTAC
ATTATTCATTTCAGGAAACCTTATTTCAGCACCCACTAGGTGCTCAGGTTCTCTGCAAAGGACACAGAAATG
AATGATACGTGTTCCCTTGCATATGGCACTGTCTAGAGGGGACATACACAGCTGAAGAAGGAAGGGCAGT
GATGGGGTTATGGAGGAAGTATGGCAGGGAAAGCAGGAGGGTGTGCTGGAAGACAAATGGTAGATCCCA
GGCGGACTGGAAGAATTGCAATAGGGGGAGCCGGGGAGTGCAGTCTGTGAGAGGCTGGAATGTGAAAG
CCAGGAGCTCTCAGGGATTTGGGTTGCCTCCTGCACAGTCAAGGAGAGTGTCACTCAGGCTAGTCATAGA
TGGCATACTACAGGCTTGGGCTGATTTTATAGTAGTTGTTTCAGAGCAGTCAAGGAGGAGGAGGAGGAGG
AGCCCTGTGAGAGGTGTGTTTGGAAATCACTTGGTATCCAATCACATGTCATCCCTAGGAGCAAGGAGAC
CGGTTGGATTTGGGGCTGGTCTGGAATGAAGAAGCATCTCTCAGCTTCCGAAAGGCTGCATGGCTCACGGC
AGTATCTCAATCATGCCCTGGCCGTTTGCACATTTGGTCTGTTGGTAGTTACCTCTCTGGTGACTGGCA
AAGTCAGCAAGGATATTGGGGTGGAGCACCTGGCTAAGCACCTCTTGATTATAGAGCTATGGAGTAGA
AGACAGATGGAGAATGAGAGGCCTGTGAGAACAATCAGTCAAGTCCATCTTTCAGAGCTGCTCGAGTTC
AAAAGTGTGCATACAGGATATTTACCATTGCTACCTTTAAGGGATTTCAGGTGGGAACCCTAGGCTGTG
GCTTCACATAATGGAACCTGGGTGCCATCCTACCTGTGATGTTGAGCTGGCCAGCACTGGTGTAGGAAC
CTCAAGGACTCTGTGCTTCTCTGGTTTGGGGCCTAGGATAAACACAGGCCTGCTTGCCCTTGGTTCTA
GGACACATCTTCCCATGCCAGCAAAGTTAATGAACCAGTCTACAAGATAACTGTTGAAAGAATTCTTAGA
GAAACAACCCACAGGAGGGGAGCCATGTCAGAGCCCAAGAAAACCATCCCATCCTGAGCTCTGCCTTCTG
TGCTGCTCTCTGCATCCTATTCTCTGTCGGAACAGGACCCCACTGTGTCCTTGTCTTCTAGGCAGAGTT
GTGGGAGAGTGTAAATGCTTTTGTGAGTGGGGCAGCCTGTGGAATGGGATCTCATACTGGCTCCTTAGACC
TTGGGCCCATGAACTCAGTATGGAGCAGGACCTGCGATGTTCTGATGGATTATACCCACAGTGTATTTTG
GCACATCTGCCAAAAGCTACAAACAACCCCAACAACACTACACACTATATCTTGTGAGAAGTGCCTACCC
AGGAGTCTGAATGTGATCTGAGTATGCTCTAAGGCAGCCCAAGGAAAAGCAATTCAGTCCCTCTCTCTT
TGCCTTTAGACCTGCAGGCTGGGACAATGAAAAGAAAATAGCTATTTTACATGAAAATTTTACAACCGTG
AAGCCGGAAGATGCATATGAAGACTTTATTGTGAAACCTCCCGTGAGAAAGGTAGTCAAAGACAATTGCT
TTAAGGGTTTAGGGCCGGCGCGGTGGCTGATGCCTGTAATCCCAGCACTTTGGGAGGCCAAAGCGGGCA
GATCACATGAGGTCAGGAGTTTGTAGACCAGCCTGGCGAACATGGCAAACCCATCTCCACTAAAATACA
AAAATTAGCTGGGTATGGTGGCAAGCGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCATGAGAATCAC
TTGAACCTGGGAGGCAGAGATTGCAAGTGAACCCAGATTGCGCCACTGCACTCCAACCTGGCAACAGAGTG
AGACTCCATATCAAAAAAGAAAAGAAGAAAAGGGTTTAGGTGTTTTTAAATGCAAAAAGAAGCCTATA
AAGATGGGGCGTGGTGGCTGATTCTGTAATCCCAGCAGTTGGGAGGCTGAGGCAGGAGAATTGCTTGAA
CCTGGGAGGCGGAGGTTGTAATGAGCCGAGATCGGGCCACTGTAATCCAGCCTGGGTGACAAGAGCGAGA
CTCCATCTCGAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AL834400 unedited</p> <pre>GGTGCATATTAGGNATACGACTCATATAGGCGGCCGCGTATTCGGCACGAGGGTCTTTCT CTCACTGGNANAATCATAGTGTTGCTGGATGCATAAATATGAAGCTGTGGTCTCTGACAA GACTTGTGTTAGCAGATTGATGTTGAGGCTTCAGTATCCTCCTGACTTAACAAACAATTA CATTATTCATTCAGGAAACCTTATTCAGCACCCACTAGGTGCTCAGGTTCTCTGCAAAGG ACACAGAAATGAATGATACGTGTTCCCTTGATATGGCACTGTCTAGAGGGGACATACACA GCTGAAGAAGGGAAGGGCAGTGATGGGGTTATGGAGGAAGTATGGCAGGGAAAGCAGGAG GGTGATGCTGGAAGACAAATGGTAGATCCCAGGCGGACTGGAAAGAATTGCAATAGGGGG AGCCGGGGAGTGCACTCTGTGAGAGGCTGGAAATGTGAAAGCCAGGAGCTCTCACGGATT TGGGTTGCCTCCTGCACAGTCAAGGAGAGTGCTCACTCACGCTAGTCATAGATGGCATAACC TACAGGCTTGGGCTGATTTTAGATAGTTGTTGAGAGCAGTCAAGCAAGCGCCAGATGCAC AAGCCCTGTGAGAGGTGCGTTTGGAAATCCCTTGGTTTCCAATTACATGTCATCCCTTAGA GCAACGACACCCGTTGGATTTGGGGCTGGTCTTGAATGAAGATCCTTTTCTCATCTTCCC GAAGTTGCATGGCTTACGGGCAAAATTTAAATCATGCCCTTGCCGTTTGCCATTCCGGTCC CTGGTGGTCCGTTACCTCCTTTGGTGACTCGGCAAGCCACCAAGGAATTTGCGGGTGG AACACCCTCGGCTCAACACCCTCTGTTACTATTACTTGTGGCCGATAATAACCATCGG TCAATTTAAAGGCCTTTTAAACCAATATTTATTTTCACTCCTTCCAAGCTCCCCACCT CG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AL834400 unedited</p> <pre>ACCTGTTACGCGCCCGCTTTCTATAGTCGATTTTTTTTTTTTTTTTTTAAAGTTCATCTCT CCTGCCCAAAAAAAGTATAGCATGTGCCANTATCAGAAAAATCCTGGTCTTAGCAGAT CAATATACATAGTTATTTGGTCATTCGACATATGCACTTTTTAAGGAGGTTTCAGGCTTCA TTTTCTGTTGAAGAGTTTGTACCATATATTTTTTCTTTTCGAGTCATTCTATCCAGTTCT TCCTGAACATTTGACAACACAGTCTTTTGTCTGACTTCTTGGCTGTGCTCTGCACCCCA CCAGCACCAGGACTTCCAGGAGAGCCTGTCTTTTTACTCAACAGACTGTTGAAGAAGCTG GCCAACACCCCTTCACTTGTGTCATTATTTTGTGTTGGTCCGGCTTTTTTACTGAC GTGCTTGGGGAGGAGCTAGGCACACTGGCTGGCCCTCCCCGACCTGGGTCTTGGAGAG CCAGAGGGTCTCTTGCAGGAGATTGAGAAGCTCTCGTNGAGTGGTGGGTGCTTGGCA AGGAGTGACTGTTGCTTCAATAGGAACACCTGCTCATCTTCTGCTGCCAACTCTTTGTGCG TGGACCAGCTTTTTCACGGGAGGTTTCAATAAAGTCTTCATATGCATCTTCCGGCTTTC ACGGTTGGAAAAATTTTCATGTTAAATACCTATTTTCTTTTCAATGCCAGCCCTGCGGTC TAAGGCAAGAAAAGAGGACTGAATGGTTTTCTGGGCTGCCTTAAAGCTACTCGATCACA TTCCGACTCCTGGGTAGGACACTTCTCCAAAAAATATTGTGAAGTTTTTGGGGTTGTTT GAACCTTTGGCAAAGTGCCAAAAACACCTGGGGATAAATCCTAAAGAAATCGAAGGCCCG GTCCATCCTGAATTAATGGCCCAAGGTTAAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	AL834400
Insert Size:	2400 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: [AL834400.1](#)

RefSeq Size: 2197 bp

RefSeq ORF: 2197 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]