

Product datasheet for SC302236

FBLIM1 (NM_001024215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBLIM1 (NM_001024215) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBLIM1
Synonyms:	CAL; FBLP-1; FBLP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302236 representing NM_001024215. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTCAAAGCCTGAGAAGAGGGTGGCATCGTCTGTCTTTATCACCTGGCACCCCGCGCCGCGAT
GTGGCCGTGGCGGAGGAAGTGAGGCAGGCAGTTTGTGAGGCCCGCGTGGCCGCCCTGGGAGGCTCCT
GCCCCATGAAGACACCCGAGGCTGGCTTGGCGGGGAGGCCAGCCCTGGACAACCCCTGGCAGAGCT
GCAGCCACAGTGCCGGCTGCACCTATGCAGCTCTCAATGGAGGATGCCACCCCTCCTCTGTCTG
GATGGTGAGGACGTGCTTCTGACCTGGACCTCCTCCACCCCTCCACCGCCCTCCAGTGCTTCTG
CCTTCTGAAGAGGAGGCTCCTGCTCCAATGGGGCCTCACTCATTGCAGACTTAGAGCAGCTGCACCTG
TCCCCGCCCGCCCCACCACAGGCCAGCGGAGGGACCTTCACTCCAGCCCGGTCCCCTCAGGCC
ATGGAGGAAGAGCTGCCACCTCCCCCGGCAAACTGTTGAGAAAAGGGGATCCACAGACATCTGTGCC
TTCTGCCACAAGACCGTGTCCCCCGAGAGCTGGCTGTGGAGGCCATGAAGAGGCAGTACCATGCCAG
TGCTTACAGTGCCGCACCTGCCGCCAGCTGGCTGGGAGGAGCTTCTACCAGAAGGATGGGCGACCC
CTCTGCCAACCCTGTACCAGGACACTGGAGAGGTGCCGAAGTGTGGCGAGGTGGTCCGGGACCAC
ATCATCAGGGCCCTGGCCAGGCCTTCCACCCCTCCTGCTTACGTGTGTGACCTGCCCCGGTGCATT
GGGGATGAGAGCTTTGCCCTGGGAGCCAGAACGAGGTGTACTGCCTGGACGACTTCTACAGGTACGAG
AAGGGTTTGTGCACTGGGTGGGTGCGAGGACAGGGCAGACCCAAAGCAGGGTGAAGGAGCTGAGCTTG
AGTCTGGGTGCTGGCCAGAGTTTCTGTCTACTGTTTATTATAAAGAATATTACAGGGCTGGGCTG
GGCGCGGTGGCTCAGCCTGTAATCCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACGAGTCAGGA
GATCGAGATCATCTGGCTAA
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001024215
Insert Size:	1125 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_001024215.1</u>
RefSeq Size:	1521 bp
RefSeq ORF:	1125 bp
Locus ID:	54751
UniProt ID:	<u>Q8WUP2</u>
Cytogenetics:	1p36.21
MW:	40.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks multiple 3' exons and contains an extra segment with an early stop codon, compared to variant 1. The encoded protein (isoform b) is longer and has a distinct C-terminus, compared to isoform a.</p>