

Product datasheet for **RG211828**

FBLIM1 (NM_001024216) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FBLIM1
Synonyms:	CAL; FBLP-1; FBLP1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG211828 representing NM_001024216
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTCAAAGCCTGAGAAGAGGGTGGCATCGTCTGTCTTTATCACCTGGCACCCCGCGCCGCGATG
TGGCCGTGGCGGAGGAAGTGAGGCAGGCAGTTTGTGAGGCCCGGCGTGGCCGCCCTGGGAGGCTCCTGC
CCCCATGAAGACACCCGAGGCTGGCTTGGCGGGGAGGCCAGCCCTGGACAACCCCTGGCAGAGCTGCA
GCCACAGTGCCGGCTGCACCTATGCAGCTCTTCAATGGAGACATCTGTGCCTTCTGCCACAAGACCGTGT
CCCCCGAGAGCTGGCTGTGGAGGCCATGAAGAGGCAGTACCATGCCAGTGCTTCACGTGCCGCACTG
CCGCCGCCAGCTGGCTGGGCAGAGCTTCTACCAGAAGGATGGGCGACCCCTCTGCGAACCCTGCTACCAG
GACACACTGGAGAGGTGCGCAAGTGTGGCGAGGTGGTCCGGGACCACATCATCAGGGCCCTGGGCCAGG
CCTTCCACCCCTCCTGCTTACGTGTGTGACCTGCGCCCGGTGCATTGGGGATGAGAGCTTTGCCCTGGG
CAGCCAGAACGAGGTGTACTGCCTGGACGACTTCTACAGGAAATTCGCCCCCGTCTGCAGCATCTGTGAA
AATCCCATCATCCCTCGGGATGGGAAAGATGCCTTCAAATCGAATGCATGGGAAGAACTTCCATGAAA
ATTGCTACAGGTGTGAGGACTGCAGGATCCTCCTGTCTGTGAGCCACGACCAAGGCTGCTACCCCT
GAACAACCATCTCTTCTGCAAGCCATGCCATGTGAAGCGGAGTGCTGCGGGGTGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG211828 representing NM_001024216

Red=Cloning site Green=Tags(s)

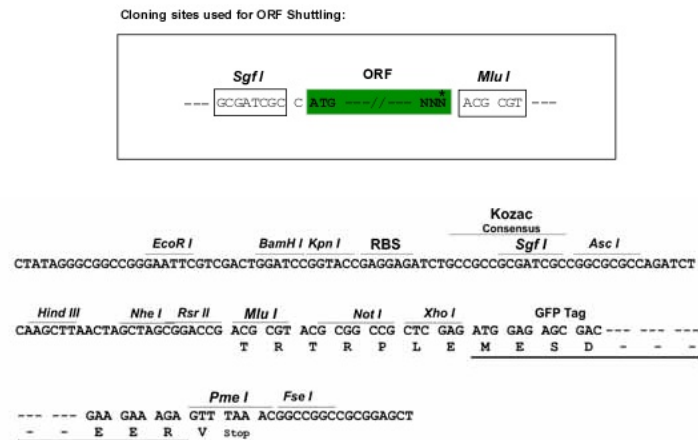
MASKPEKRVASSVFITLAPPRRDVAVAEVQAVCEARRGRPWEPAPMKTPAEAGLAGRPSPWTTPGRAA
ATVPAAPMQLFNGDICAFCCHKTVSPRELAVEAMKRQYHAQCFTCRTRRQLAGQSFYQKDGRLCEPCYQ
DTLERCGKCGEVVRDHIIRALGQAFHPSCFTCVTCARCIGDESFAFGSQNEVYCLDDFYRKFAVPCSICE
NPPIPRDGKDAFKIECMGRNFHENCYRCEDCRILLVEPTDQGCYPLNNHLFCKPCHVKRSAAGCC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001024216

ORF Size:

828 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

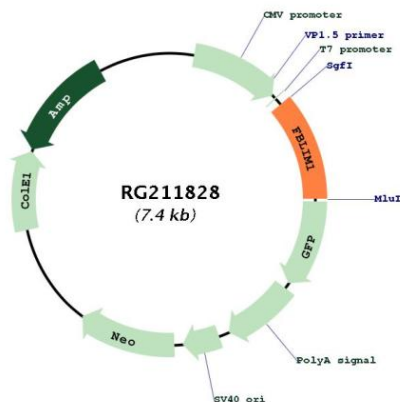
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001024216.3</u>
RefSeq Size:	2793 bp
RefSeq ORF:	831 bp
Locus ID:	54751
UniProt ID:	<u>Q8WUP2</u>
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]

Product images:



Circular map for RG211828