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Product datasheet for SC337146

FMN1 (NM_001277314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FMN1 (NM_001277314) Human Untagged Clone
Tag:	Tag Free
Symbol:	FMN1
Synonyms:	FMN; LD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC337146 representing NM_001277314.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGGCACTCATTGTACCCTCCAATTGCATAAGCCCATTACGGAACTCTGCTACATCAGCTTCTGT
CTTCCAAAGGGGGAAGTCAGAGGATTTTCATACAAGGGCACTGTAACTCTAGACAGATCCAATAAAGGT
TTTCATAACTGCTACCAAGTCAGGGAGGAGTCAGACATCATCAGCCTCAGCCAGGAGCCGGACGAACAT
CCAGGCGACATATTTTTCAAGCAGACTCCCACGAAAGACATTCTAACTGAGCTGTACAAACTCACAACA
GAGAGGGAGAGACTGCTAACCAATCTCCTGAGCTCAGACCACATCCTGGGGATCACGATGGGGAACCAG
GAGGGGAAGCTGCAAGAGCTGTCCGTGAGCCTGGCCCCCGAGGATGACTGTTTCCAGAGTGCTGGTGAC
TGGCAGGGAGAGCTCCCCGTGGGCCCTCTCAATAAGAGGAGCACCCACGGGAACAAAAAGCCTCGGAGG
TCTAGTGGAAGGAGAGAGAGCTTTGGGGCCCTTCCACAGAAGAGGACCAAAAGAAAAGGGCGTGGAGGC
CGAGAATCAGCTCCTCTGATGGGCAAGGACAAGATCTGTTCCAGCCACTCCCTTCCTCTTTCTAGAACA
AGGCCTAACCTTTGGGTACTAGAGGAGAAAGGAAATCTGCTCCCGAATGGGGCACTTGCCTGCTCCCTG
CAGAGGAGAGAGAGCTGCCCCCCAGATATTCCCAAGACGCCAGACACAGACCTTGGCTTTGGGAGCTTT
GAGACGGCTTTCAAGGACACTGGGCTTGGAAGAGAAGTGCTGCCCCCTGACTGCAGCTCCACAGAGGCA
GGAGGGGATGGCATTCGGAGGCCGCCGAGCGGGCTGGAGCATCAGCAAACAGGTTTGTCTGAAAGTCAC
CAGGACCCTGAGAAGCATCCAGAGGCAGAAAAGGATGAGATGGAGAAGCCGGCTAAGCGGACTTGCAAG
CAGAAACCTGTCTCCAAAGTGGTGGCCAAAGTTCAGGACCTGTCCTCCCAGGTACAAAGAGTAGTTAAA
ACGCATTCTAAGGGTAAGGAGACGATTGCCATTCGCCCAGCAGCCCACGCTGAGTTTGTACCCAAAGCC
GACTTGCTCACCCTCCCGGGAGCTGAGGCTGGGGCTCATGGCTCCAGGCGGCAGGGCAAGGAGCGGCAA
GGGGATAGGTCATCGCAGTCGCCAGCCGGGGAAACAGCCTCCATTTCTAGTGTGTCGGCCAGTGCCGAG
GGGGCCGTGAACAAGGTCCCCCTGAAGGTGATAGAGAGTGAGAAGTTAGATGAAGCCCCTGAGGGGAAA
AGACTGGGCTTCCCTGTCCACACGAGTGTCCCTCACACTCGCCCAGAAACGAGAAACAAGAGGAGAGCC
GGGTTGCCCCTTGGTGGCCACAAGTCCTTGTTTCTGGATCTGCCCCACAAAGTAGGTCCTGACTCCTCA
CAACCCAGAGGTGATAAGAAGAAGCCATCCCCACCAGCACCGGCAGCTCTTGGCAAGGTGTTTAATAAT
TCAGCCTCGCAGTCCAGCACACACAAACAGACGTCACCTGTTCCCTCGCCTCTGTCTCCAAGGCTCCCC
AGCCCTCAGCAGCATCACAGGATCCTCCGGCTCCCTGCATTGCCTGGTGAGAGGGAAGCTGCTCTTAAT
GACTCTCCTTGTAGAAAGAGCCGTGTCTTCTCTGGGTGCGTCTCTGCTGACACCTTGGAGCCACCATCC
TCTGCAAAGGTCACGGAGACCAAAGGAGCCAGCCCGGCCTTCCTCAGAGCAGGCCAACCTCGGTTGGTG
CCTGGGGAAACTTTGGAAAAGAGCTTGGGGCCAGGGAAGACCACAGCTGAGCCCCAGCACCAGTCACCT
CCAGCCTTCCATTGGGATCTTCAGCAGCACTTTCAGGAACCAGTCATAAGAACTGTAAGCATCTCCTGT
GCTTCTAACCTTATAAAAGAAGAAGCTGGAAAAGGGAAGGAGAGTAGAAGTGGGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001277314

Insert Size: 1989 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:	NM_001277314.1
RefSeq Size:	3986 bp
RefSeq ORF:	1989 bp
Locus ID:	342184
UniProt ID:	Q68DA7
Cytogenetics:	15q13.3
MW:	71.9 kDa
Gene Summary:	This gene belongs to the formin homology family and encodes a protein that has a role in the formation of adherens junction and the polymerization of linear actin cables. The homologous gene in mouse is associated with limb deformity. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2015] Transcript Variant: This variant (3) lacks several central and 3' region exons, but it includes an alternate 3' terminal exon and it thus differs in its 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (c) has the same N-terminus but it contains a distinct and significantly shorter C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.