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Product datasheet for SC338028

FMN1 (NM_001277313) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FMN1 (NM_001277313) 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:	>NCBI ORF sequence for NM_001277313, the custom clone sequence may differ by one or more nucleotides

ATGGAAGGCACTCATTGTACCCTCCAATTGCATAAGCCCATTACGGAACTCTGCTACATCAGCTTCTGTC
TTCCAAAGGGGGAAGTCAGAGGATTTTCATACAAGGGCACTGTAACTCTAGACAGATCCAATAAAGGTTT
TCATAACTGCTACCAAGTCAGGGAGGAGTCAGACATCATCAGCCTCAGCCAGGAGCCGGACGAACATCCA
GGCGACATATTTTTCAAGCAGACTCCCACGAAAGACATTCTAACTGAGCTGTACAAACTCACAACAGAGA
GGGAGAGACTGCTAACCAATCTCCTGAGCTCAGACCACATCCTGGGGATCACGATGGGGAACCAGGAGGG
GAAGCTGCAAGAGCTGTCCGTGAGCCTGGCCCCCGAGGATGACTGTTTCCAGAGTGCTGGTGACTGGCAG
GGAGAGCTCCCCGTGGGCCCTCTCAATAAGAGGAGCACCCACGGGAACAAAAAGCCTCGGAGGTCTAGTG
GAAGGAGAGAGAGCTTTGGGGCCCTTCCACAGAAGAGGACCAAAAGAAAAGGGCGTGGAGGCCGAGAATC
AGCTCCTCTGATGGGCAAGGACAAGATCTGTTCCAGCCACTCCCTTCCTCTTTCTAGAACAAGGCCTAAC
CTTTGGGTACTAGAGGAGAAAGGAAATCTGCTCCCGAATGGGGCACTTGCCTGCTCCCTGCAGAGGAGAG
AGAGCTGCCCCCCAGATATTCCCAAGACGCCAGACACAGACCTTGGCTTTGGGAGCTTTGAGACGGCTTT
CAAGGACACTGGGCTTGGAAGAGAAGTGCTGCCCCCTGACTGCAGCTCCACAGAGGCAGGAGGGGATGGC
ATTCGGAGGCCGCCGAGCGGGCTGGAGCATCAGCAAACAGGTTTGTCTGAAAGTCACCAGGACCCTGAGA
AGCATCCAGAGGCAGAAAAGGATGAGATGGAGAAGCCGGCTAAGCGGACTTGCAAGCAGAAACCTGTCTC
CAAAGTGGTGGCCAAAGTTCAGGACCTGTCCTCCCAGGTACAAAGAGTAGTTAAAACGCATTCTAAGGGT
AAGGAGACGATTGCCATTCGCCCAGCAGCCCACGCTGAGTTTGTACCCAAAGCCGACTTGCTCACCCTCC
CGGGAGCTGAGGCTGGGGCTCATGGCTCCAGGCGGCAGGGCAAGGAGCGGCAAGGGGATAGGTCATCGCA
GTCGCCAGCCGGGGAAACAGCCTCCATTTCTAGTGTGTCGGCCAGTGCCGAGGGGGCCGTGAACAAGGTC
CCCCTGAAGGTGATAGAGAGTGAGAAGTTAGATGAAGCCCCTGAGGGGAAAAGACTGGGCTTCCCTGTCC
ACACGAGTGTCCCTCACACTCGCCCAGAAACGAGAAACAAGAGGAGAGCCGGGTTGCCCCTTGGTGGCCA
CAAGTCCTTGTTTCTGGATCTGCCCCACAAAGTAGGTCCTGACTCCTCACAACCCAGAGGTGATAAGAAG
AAGCCATCCCCACCAGCACCGGCAGCTCTTGGCAAGGTGTTTAATAATTCAGCCTCGCAGTCCAGCACAC
ACAAACAGACGTCACCTGTTCCCTCGCCTCTGTCTCCAAGGCTCCCCAGCCCTCAGCAGCATCACAGGAT

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CCTCCGGCTCCCTGCATTGCCTGGTGAGAGGGAAGCTGCTCTTAATGACTCTCCTTGTAGAAAGAGCCGT
GTCTTCTCTGGGTGCGTCTCTGCTGACACCTTGGAGCCACCATCCTCTGCAAAGGTCACGGAGACCAAAG
GAGCCAGCCCGGCCTTCCTCAGAGCAGGCCAACCTCGGTTGGTGCCTGGGGAAACTTTGGAAAAGAGCTT
GGGGCCAGGGAAGACCACAGCTGAGCCCCAGCACCAGTCACCTCCAGGTATCTCCTCTGAGGGCTTTCCC
TGGGACGGCTTCAATGAGCAGACACCTAAAGACCTTCCCAACAGAGATGGAGGCGCGTGGGTTCTGGGCT
ACAGAGCGGGACCAGCCTGTCCATTTTTGCTTCATGAGGAAAGGGAGAAGTCAAACAGGAGCGAATTGTA
CTTGGATCTCCATCCTGACCACAGCCTGACTGAGCAGGATGACAGGACTCCTGGCAGACTTCAAGCTGTC
TGGCCACCCCCAAAGACAAAAGACACAGAAGAAAAAGTGGGACTGAAGTACACTGAAGCAGAATACCAAG
CTGCTATTTTACACTTGAAGAGGGAGCACAAAGAAGAAATTGAAAACCTGCAGGCACAGTTTGAACTTCG
GGCATTTCATATCCGGGGCGAGCATGCAATGATAACAGCGAGACTAGAAGAAACCATTGAAAATCTGAAA
CACGAGCTAGAACACAGATGGCGAGGGGGTTGTGAAGAGAGGAAAGATGTGTGCATTTCCACCGATGATG
ACTGCCCTCCAAAGACCTTCAGAAATGTGTGCGTCCAGACAGACAGAGAGACCTTCCTCAAGCCCTGTGA
AAGTGAAAGCAAGACAACCAGAAGTAATCAATTAGTACCCAAAAAGCTGAATATCTCCTCTTTAAGCCAG
CTCTCACCCCCAAATGACCACAAAGACATCCATGCAGCACTCCAGCCAATGGAGGGCATGGCATCAAATC
AGCAGAAGGCATTGCCTCCGCCTCCCGCATCCATCCCTCCCCCTCCGCCCCTCCCCTCAGGACTTGGATC
TTTGTCTCCCGCACCTCCAATGCCACCTGTGAGTGCTGGGCCACCGCTACCACCTCCGCCTCCTCCACCG
CCACCTCTACCTCCACCTTCAAGTGCTGGACCTCCACCACCCCCACCCCCACCCCCACTTCCTAACTCCC
CTGCCCCACCCAACCCTGGAGGGCCTCCTCCTGCTCCACCACCCCCAGGACTTGCACCCCCACCTCCCCC
TGGACTCTTCTTTGGACTTGGCTCTTCTTCCAGTCAATGTCCTCGAAAACCAGCCATCGAGCCCAGTTGT
CCCATGAAGCCTTTATATTGGACTAGGATACAAATAAGTGATAGGAGCCAAAATGCTACACCAACCTTAT
GGGACTCCTTAGAAGAACCTGACATTCGGGACCCCAGTGAATTTGAGTATTTATTCTCCAAAGACACAAC
TCAACAGAAGAAAAAACCTCTGTCAGAGACTTATGAGAAGAAAAACAAGGTCAAAAAGATCATCAAATTG
TTGGATGGAAAACGATCTCAAACTGTGGGAATCTTGATATCTAGTTTACATTTAGAAATGAAGGATATCC
AACAGGCCATTTTCAATGTGGATGACTCCGTGGTTGATCTGGAGACCCTGGCAGCCTTATATGAAAACAG
AGCCCAAGAGGATGAGCTGGTTAAAATAAGAAAGTATTACGAGACATCCAAAGAAGAAGAACTGAAGCTG
CTGGATAAACCTGAGCAATTTTTACATGAGTTAGCCCAGATTCCTAATTTTGCTGAACGTGCCCAGTGCA
TAATCTTCAGATCTGTCTTTTCTGAGGGTATCACCTCCTTGCACAGAAAGGTAGAGATCATCACGCGAGC
TTCTAAGGACTTGCTGCACGTGAAGAGCGTGAAGGATATTTTAGCTCTCATCTTGGCTTTTGGAAATTAT
ATGAATGGAGGAAATAGGACTCGGGGACAAGCCGATGGATATAGCTTAGAAATTCTGCCCAAACTCAAGG
ATGTCAAAAGTCGGGATAATGGGATTAATCTGGTGGACTACGTTGTTAAGTATTACCTGCGTTACTATGA
TCAGGAAGCTGGAACAGAAAAGAGTGTTTTCCCCTTGCCGGAACCACAGGATTTCTTTCTGGCCTCCCAA
GTCAAGTTTGAAGACCTCATAAAAGATTTGAGAAAACTGAAGAGGCAACTAGAAGCAAGTGAGAAACAGA
TGGTGGTGGTGTGCAAGGAGTCCCCAAAGGAGTATCTCCAGCCTTTCAAGGACAAACTAGAGGAGTTCTT
CCAAAAAGCCAAAAAAGAGCATAAGATGGAAGAAAGTCACTTGGAGAATGCACAGAAAAGTTTTGAAACA
ACAGTACGATATTTTGGGATGAAGCCAAAGTCTGGTGAGAAGGAGATCACACCCAGCTACGTGTTTATGG
TGTGGTATGAGTTCTGCAGTGACTTCAAGACAATTTGGAAACGGGAGAGTAAAAACATATCTAAAGAAAG
ATTGAAAATGGCTCAGGAATCAGTCAGCAAGTTGACTTCAGAGAAGAAAGTGGAGACAAAGAAAATCAAT
CCCACTGCTAGCCTGAAAGAAAGACTGCGTCAGAAGGAAGCCAGTGTGACCACTAACTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001277313

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).

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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_001277313.1, NP_001264242.1
RefSeq Size:	13546 bp
RefSeq ORF:	4260 bp
Locus ID:	342184
UniProt ID:	Q68DA7
Cytogenetics:	15q13.3
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 (1) represents the longest transcript and encodes the longest isoform (a). The exon combination of this variant is inferred based on partial human and full-length orthologous transcript alignments. 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.

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