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Product datasheet for MC223235

Fmnl3 (NM_011711) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmnl3 (NM_011711) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fmnl3
Synonyms:	2700073B04Rik; FBP11; mKIAA2014; Wbp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223235 representing NM_011711 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCAACCTGGAGAGCACCGACGGTGGCCCGGGCGAGCCGCCCTCCGTCCCGCTGCTGCTGCCGCCCG GCAAGACGCCGATGCCCGAGCCGTGCGAGCTGGAAGAGAGATTCGCCCTAGTGCTGAGCTCTATGAACCT GCCTCCTGACAAGGCCCGGCTGCTGCGACAGTATGACAACGAGAAGAAGTGGGATCTGATCTGTGACCAG GAAAGATTTCAAGTAAAGAATCCTCCCCACACCTATATCCAGAAACTCCAGAGCTTCTTGGACCCCAATG TAACACGGAAGAAGTTCCGGAGGAGAGTGCAGGAGTCCACTAAAGTCCTACGGGAGCTGGAGATCTCACT TCGCACCAATCACATTGGGTGGGTGAGGGAGTTTCTCAATGATGAGAACAAAGGCCTGGACGTGCTGGTG GATTACCTGTCATTTGCCCAGTGTTCTGTCATGTTTGACTTTGAGGGTCTGGAGAGTGGTGATGACGGTG CATTTGACAAGCTCCGGTCCTGGAGCAGGTCAATCGAGGACCTGCAACCGCCCAACGCCCTGTCGGCCCC CTTCACCAACAGCCTCGCTCGCTCTGCGCGTCAGTCCGTGCTCCGGTACAGTACTCTCCCTGGCCGCAGG GCCCTGAAGAACTCCCGCCTGGTGAGCCAGAAGGATGACGTCCATGTCTGCATCCTTTGTCTCAGAGCCA TCATGAACTATCAGTATGGCTTCAACTTGGTCATGTCCCACCCCCACGCTGTCAATGAGATTGCACTTAG CCTCAACAACAAGAATCCAAGGACCAAAGCCCTGGTCTTGGAGCTGCTGGCAGCTGTGTGTTTGGTGCGG GGAGGTCATGAAATCATCCTGGCTGCCTTTGACAATTTCAAAGAGGTGTGTAAAGAACTGCATCGGTTTG AGAAGCTCATGGAGTATTTCCGAAATGAGGACAGCAACATTGACTTCATGGTGGCCTGCATGCAGTTCAT CAACATTGTGGTGCACTCGGTAGAGGACATGAACTTCCGGGTCCACCTGCAATATGAGTTTACCAAGTTG GGGCTGGAGGAATTCCTCCAGAAGTCGAGGCACACGGAGAGCGAGAAGTTGCAGGTGCAGATTCAAGCGT ACCTGGACAATGTGTTTGACGTGGGGGGCTTGTTGGAAGATGCAGAAACCAAGAATGTAGCCCTGGAAAA GGTGGAAGAACTGGAGGAGCATGTGTCCCATCTCACAGAGAAGCTCCTGGACCTGGAGAATGAGAATATG ATGCGGGTGGCAGAACTGGAGAAGCAGCTGCTACAGCGGGAAAAGGAGCTGGAGAGCATCAAGGAGACAT ATGAGAACACAAGCAACCAGGTGCATACTCTTCGGAGGCTCATTAAGGAAAAGGAGGAGGCCTTCCAGCG CCGATGCCACCTGGAGCCAAGTGCCCGGGGCCTGGAATCCATGGGCGGCGAGGCCCTAGCCAGGGTAGGC CCTACAGAGTTGACTGAAGGCATCCCACCCTCTGACTTGGACCTGCTGGCTCCAGCCCCACCTACTGAGG

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AGACTCTTCCTCTGCCTCCTCCACCAGCTCCCCCTTTGCCTCCGCCCCCTCCTCCACTACCAGACAAGTG
TCCCCCTGCCCCACCTCTCCCTGGTGCTGCTCCTTCTGTGGTGTTGACAGTGGGCCTGTCAGCCATTCGC
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CTCGCAAGAAACAAGAGGAGGTAATGCGGGAGAAGCAGCTGGCTCAGGAAGCCAAGAAGCTGGATGCCAA
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GAACACCGGCCTGTTTACGAGGGGAAGGATGGTACCATTGAGGACATCATCACAGTGTTGAAGAGTGTCC
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CTGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011711

Insert Size: 3087 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_011711.2, NP_035841.1

RefSeq Size: 4436 bp

RefSeq ORF: 3087 bp

Locus ID:	22379
UniProt ID:	Q6ZPF4
Cytogenetics:	15 F1
Gene Summary:	Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration. Required for developmental angiogenesis. In this process, required for microtubule reorganization and for efficient endothelial cell elongation. In quiescent endothelial cells, triggers rearrangement of the actin cytoskeleton, but does not alter microtubule alignement.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).