OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC225428

Fbn2 (NM_010181) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbn2 (NM_010181) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fbn2
Synonyms:	BC063774; Fib-2; mKIAA4226; sne; sy
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225428 representing NM_010181 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGGAGACGGCGGCGGTTGTGTCTCCAGCCCTACTTCGTGTGGCTGGGTTGCGTGGCGCTCTGGGCGC AGGGCACAGATGGCCAGCCCCAGCCTCCTCCACCAAAGACGCTCCGGCCCCAGCCGCCCCCGCAACAGGT CCGACCCGCAGTAGCGGGCTCCGAAGGTGGCTTCATGGGGCCTGAGTATCGGGACGAGGGCGCGGTAGCA GCGAGCCGGGTCCGCAGGCGAGGACAGCAGGAAATACTCCGAGGGCCCAACGTGTGCGGTTCTAGATTCC ACTCCTATTGCTGCCCAGGATGGAAGACGCTCCCTGGAGGAAATCAATGCATTGTCCCCATTTGCAGGAA CAGTTGTGGAGATGGATTCTGTTCCCGCCCCAACATGTGTACTTGTTCCAGTGGACAAATATCCCCGACA TGCGGAGCCAAATCAATTCAGCAGTGTAGCGTGAGGTGCATGAACGGCGGGACCTGTGCAGACGACCACT GTCAGTGCCAGAAGGGATACATCGGAACTTACTGTGGACAACCTGTCTGTGAGAATGGATGCCAGAACGG GGGGCGTTGTATCGGCCCTAACCGCTGTGCTTGCGTTTATGGATTCACCGGGCCGCAGTGCGAAAGAGAT TACAGGACAGGCCCGTGTTTCACTCAAGTCAATAATCAGATGTGCCAGGGGCAGCTGACAGGCATCGTCT GCACAAAGACACTGTGTTGTGCCACCATCGGACGAGCCTGGGGCCATCCTTGTGAGATGTGTCCAGCCCA GCCTCAGCCCTGCCGCCGGGGCTTCATTCCTAACATCCGCACTGGAGCATGTCAAGATGTTGACGAATGC CAGGCGATTCCAGGACTGTGCCAGGGGGGAAACTGTATCAACACAGTGGGCTCGTTTGAGTGCAGATGCC CTGCTGGTCACAAGCAGAGTGAAACCACACAGAAATGTGAAGACATTGATGAGTGCAGTGTGATTCCTGG GGTCTGTGAGACTGGCGACTGTTCCAACACCGTGGGAAGCTATTTTTGTCTCTGTCCCCGTGGCTTCGTA ACCTCAACAGATGGCTCGCGTTGCATTGATCAGAGGGCTGGAACATGCTTCTCCGGCCTGGTGAATGGCC GTTGTGCCCAAGAACTCCCGGGCCGAATGGCAAAAGCTCAATGTTGTTGTGAGCCCGGCCGTTGCTGGAG CATCGGGACCATTCCGGAGGCCTGTCCTGTCAGAGGTTCCGAGGAATATCGTAGACTGTGCCTGGATGGT CTTCCGATGGGTGGCATTCCAGGGAGCTCGGTTTCTAGGCCTGGGGGCACGGGGAGCACCGGCAATGGCT ATGGCCCCGGTGGAACAGGCTTCCTCCCCATCCCTGGAGACAATGGCTTTTCTCCGGGTGTTGGGGGAGC TGGAGTAGGAGCTGGGGGACAGGGACCCATCATCACGGGACTAACAATTCTCAACCAGACAATAGACATC TGTAAGCACCATGCCAATCTCTGTTTGAATGGACGGTGTATACCTACTGTTTCTAGCTACAGATGCGAGT

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_010181
Insert Size:	8724 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_010181.2, NP_034311.2
RefSeq Size:	10480 bp
RefSeq ORF:	8724 bp
Locus ID:	14119
UniProt ID:	Q61555
Cytogenetics:	18 32.15 cM
Gene Summary:	Fibrillin-2: Fibrillins are structural components of 10-12 nm extracellular calcium-binding microfibrils, which occur either in association with elastin or in elastin-free bundles. Fibrillin-2-containing microfibrils regulate the early process of elastic fiber assembly. Regulates osteoblast maturation by controlling TGF-beta bioavailability and calibrating TGF-beta and BMP levels, respectively (PubMed:20855508).[UniProtKB/Swiss-Prot Function]