

Product datasheet for MC225423

Fbn1 (NM_007993) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbn1 (NM_007993) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fbn1
Synonyms: A1536462; B430209H23; Fib-; Fib-1; Tsk
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225423 representing NM_007993
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGGCGAGGAGGGCTGCTGGAGGTCGCGCTGGCGTTCGCCCTGCTCCTCGAGTCTACACGAGCCATG
 GGGCGGACGCCAATTTGGAGGCTGGGAGCCTGAAGGAGACCAGAGCCAATCGGGCCAAGAGAAGAGGCGG
 CGGAGGACACGATGCGCTGAAAGGACCCAATGTCTGTGGATCACGTTATAATGCATACTGTTGTCCTGGA
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CCTGTCACTGCAGAGCTGGCTACCAAGACACTCACCAGAAGTGAAGTGCAGAGACATAGATGAGTGTCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_007993

Insert Size:

8622 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_007993.2](#), [NP_032019.2](#)**RefSeq Size:**

9900 bp

RefSeq ORF:

8622 bp

Locus ID:

14118

UniProt ID:[Q61554](#)**Cytogenetics:**

2 61.38 cM

Gene Summary:

This gene encodes a member of the fibrillin family of proteins. The encoded preproprotein is proteolytically processed to generate two proteins including the extracellular matrix component fibrillin-1 and the protein hormone asprosin. Fibrillin-1 is an extracellular matrix glycoprotein that serves as a structural component of calcium-binding microfibrils. Asprosin, secreted by white adipose tissue, has been shown to regulate glucose homeostasis. Homozygous knockout mice for this gene exhibit impaired aortic development and early postnatal death, which was attributed to a deficiency in the fibrillin-1 protein. Mice with a hypomorphic allele of this gene exhibit impaired glucose homeostasis, likely due to a reduction in serum asprosin levels. [provided by RefSeq, Apr 2016]