

Product datasheet for **MC210827**

Fam57b (NM_001146347) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam57b (NM_001146347) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fam57b
Synonyms: 1500016O10Rik; A330104J06Rik; AI413816; AW060769
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210827 representing NM_001146347
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTCCACAGCTGGCTACATAGTCTCCACTTCTGCAAGCACATCATAGATGACCAGCACTGGCTGT
 CCTCGGCCTATACACAGTTTGCAGTTCCTACTTCATCTATGACATCTATGCCATGTTCTCTGCCACTG
 GCACAAGCACCAGGTTAAAGGGCAGGAGGGGAAGACGGGACGCCAGAGCCCTGGGCAGCACCTGGGCT
 GTGGTACGCGGCTACCTGCACAAGGAGTTCCTCATGGTGTCCACCACGCGGCCATGGTACTGGTGTGCT
 TCCCACTCTCAGTGGTGTGGCGACAAGGCAAGGGAGATTTCTTTCTAGGCTGCATGTTGATGGCCGAGGT
 CAGCACTCCTTTTCGTCGCTGGCAAGATCCTCATTAGTACAAGCAGCAGCACACGTTGCTGCACAAG
 GTGAACGGAGCCCTGATGCTACTCAGCTTCTGTGCTGCCGGGTGCTGCTCTTCCCTACCTGACTGGG
 CCTACGGGCGCCACGCTGGCCTGCCCTGCTCTCAGTGCCATGGCCATCCCGGCCACGTC AACCTGGG
 CGCCGCACTGCTCCTCGCACCCAGCTCTACTGGTTCTTCTCATTGGCCGGGGCTGCCGCCTCTTC
 CGACCCCGAGGCTCCCCACCACCCTCTCCTTGTGACAGCCAGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001146347
Insert Size: 678 bp



[View online »](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001146347.1</u> , <u>NP_001139819.1</u>
RefSeq Size:	1781 bp
RefSeq ORF:	678 bp
Locus ID:	68952
UniProt ID:	<u>Q7TNV1</u>
Cytogenetics:	7 F3
Gene Summary:	<p>Involved in ceramide synthesis. In vitro, isoform 3 stimulates the production of C16-, C18- and C20-ceramides, isoform 1 slightly increases the levels of C18- and C20-ceramides, while isoform 2 exhibits only minimal activity. May interfere with adipogenesis by stimulating ceramide synthesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) includes an alternate exon in the 5' UTR and 5' coding region and uses a downstream start codon, compared to variant 1. It encodes isoform 3, which has a shorter N-terminus than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>