

Product datasheet for **MC228126**

Far1 (NM_001285831) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Far1 (NM_001285831) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Far1
Synonyms:	2600011M19Rik; 2900034E22Rik; 3732409C05Rik; AI850429; Mlstcd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228126 representing NM_001285831
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTTTCAATCCCAGAATACTACGAGGGGAAGAATATCCTTCTCACAGGAGCCACTGGTTTCTTAGGCA
 AGGTGCTTCTGGAAAAGTTGCTGAGATCTTGCCAGGGTGAATTCTGTCTATGTTTTGGTGAGGCAAAA
 AGCTGGTCAGACACCCCAAGAGCGAGTGGAGGAAATCCTCAGTAGCAAGCTTTTCGACAGGTTGAGAGAT
 GAAAATCCAGATTTTAGAGAGAAAATTATAGCATCAACAGTGAACCTTACCAACCTAACTGGCTCTCA
 GTGAAGAAGATAAGGAGATCATTATAGATTCTACAAATGTCATATTCCACTGTGCGGCTACTGTAAGATT
 TAATGAAAATTTAAGAGATGCTGTCCAGTTAAATGTGATAGCTACACGACAGCTTATTCTCCTTGACACG
 CAAATGAAGAATCTGGAAGTGTCATGCATGTCTCAACAGCGTATGCCTACTGCAATCGAAAGCATATTG
 ATGAAGTAGTTTATCCACCCCTGTAGATCCCAAGAAGCTGATTGATTCTTTAGAATGGATGGATGG
 CCTAGTAAATGATATCACACCAAAATGATAGGCGACAGGCCCTAACACGTACATATACCAAGGCATTG
 GCAGAGTATGTTGTGCAGCAGGAAGGAGCAAAGCTAAATGTTGCCATTGTAAGGCCGTGATCGTCGGCG
 CCAGTTGGAAGAACCTTTCCAGGATGGATTGATAACTTTAATGGACCAAGTGGTCTCTTCATTGCGGC
 AGGGAAAGGAATCTTCGAACAATGCGTGCCTCCAACAATGCCCTTGAGATCTCGTTCTCTGTAGATGTA
 GTGGTCAACACGAGCCTTGCTGCAGCCTGGTATTCTGGAGTTAATAGACCAAGAAACATCATGGTGTATA
 ATTGCACAACAGGCAGCACTAATCCTTTCCACTGGGGGGAAGTTGGAGATTATCTAAATCATTCTTCAA
 GATGAATCCTTTAAACCAAGTATTCAGGCACCCCTATGTTAAATCTGTTCCAACAACCTAATGCTTCAT
 TATTGGAAGGGTGTCAACATACAGTACCTGCATTATTGCTCGATCTTGCTCTCAGGTTGACAGGTCAGA
 AACCGTGGATGATGAAAACAATCACTCGTCTTCACAAAGCCATGGTATTCTTGAGTATTTACAAGTAA
 CTCTTGGGTTTGGAACTACTGATAATGTCAATATGTTAATGAACCACTAAACCCTGAAGATAAAAGACC
 TTTAATATTGATGTACGGCAGTTACATTGGGCAGAAATATAGAAAACCTACTGCATGGGGACTAAGAAGT
 ACGTGTTGAATGAAGAGATGTCTGGCCTCCCTGCTGCTCGGAAGCATCTCAACAAGTTGCGGAATATCCG
 TTATGGTTTCAATACAATCCTTGTGATACTTATCTGGCGCATTTTATTGCAAGATCACAAATGGCAAGA
 AACATCTGGTATTTGTGGTTAGTCTGTGTACAAATTCTGTCATACTCCGAGCATCCAGCACTATGA
 GATACGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285831

Insert Size: 1548 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001285831.1, NP_001272760.1</u>
RefSeq Size:	4339 bp
RefSeq ORF:	1548 bp
Locus ID:	67420
UniProt ID:	<u>Q922J9</u>
Cytogenetics:	7 F1
Gene Summary:	Catalyzes the reduction of saturated and unsaturated C16 or C18 fatty acyl-CoA to fatty alcohols (PubMed:15220348, PubMed:15220349). It plays an essential role in the production of ether lipids/plasmalogens which synthesis requires fatty alcohols (By similarity). In parallel, it is also required for wax monoesters production since fatty alcohols also constitute a substrate for their synthesis (PubMed:15220349).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate exon in the coding region compared to variant 1. The resulting isoform (2) is the same length and has the same N- and C-termini compared to isoform 1 but differs at an internal segment. 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.