

Product datasheet for **MC217081**

Far2 (NM_178797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Far2 (NM_178797) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Far2
Synonyms:	A230046P18; AW048109; BC055759; Mlstd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217081 representing NM_178797
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCATGATCGCAGCTTTCTACAGCAACAAGTCTATCCTCATCACAGGGGCCACAGGCTTCTCGGGCA
 AGGTGCTCATGGAGAAGTTATTCGTACCAGCCCCACTTGAAAAGTCATTTACATCCTCGTGAGACCCAA
 GTCTGGACAGACTGCAGGAAAGGGTTTTCCAGATCCTCAACAGTAAGCTGTTTGAGAAAAGTCAAAGAA
 GTCTGTCCAAATGTGCATGAGAAGATCAGACCCATCTCCGACAGCCTCAACCAGCGTGACTTCGCCATCA
 GCAAGGAAGACGTGCAAGAACTTCTGTCTGTACCAATATTATCTTCCACTGTGCAGCCACAGTGCCTT
 TGATGCACATCTGAGAGAAGCTGTGCAGCTGAACGTCACGGCCACCCAGCAGCTCCTGCTAATGGCCAGC
 CAGATGCCAAAGCTGGAAGCCTTATCCACATCTCCACTGCCTTTTCCAAGTGAACCTGAGCCACATTG
 ATGAGGTCATCTACCCATGCCCTGTGGAGCCAAGAAAGATCATTGACTCCATGGAGTGGTTAGATGACTC
 TATCATTGAAGAGATCACTCCTAAGCTGATTGGGGACCGCCCAATACCTACACCTACACCAAAGCCTTG
 GGAGAGATAGTAGTGACGCAAGAGAGCGGAAACCTGAATGTGGCCATTGTCAGGCCATCCATAGTGGGAG
 CAACCTGGCAGGAGCCTTCCCGGGTGGGTTGATAATCTAAATGGACCCAGCGGACTCATTATTGCGAC
 TGGGAAAGGATTTCTTCGGTCCATAAAAGCGACTCCCATGGCAGTGGCAGATGTGATTCCAGTTGACACA
 GTTGTTAATCTCACCATAGCAGTAGGATGGTATACTGCAGTTCATAGGCCTAAATCAACATTAATCTACC
 ATTCCACATCTGGTAATCTCAATCCCTGTAAGTGGTATAAAATGGGATTACAGGTCTTGGCGACCATCGA
 AAAGATCCCATTTGAGAGTGCTTTCAGAAGGCCAAATGCTGACTTCACCACCAGCAATTTACCACCCAT
 TATTGGAACCCGTCAGCCACCGGGTCCCAGCCATCATCTATGACTTCTATCTGAGGCTTACTGGAAGGA
 AACCCAGAATGCTGAAGCTCATGAACCGGCTGCTAAAAACCATTTCATGCTGGAGTATTCATCAACCA
 CAGTTGGGAATGGAGCACAAACAACACGGAGATGCTTCTGTGAGAGCTCAGTCCTGAAGACCAGAGAGTA
 TTCAACTTTGATGTGCGTCAGTTGAACTGGCTCGAATACATTGAAAATTACGTTTTGGGGTTAAGAAAT
 ATCTACTAAAAGAGGATCTGGCCGGTATCCCCAAAGCAAAGCAACACCTAAGAAGGCTCCGGAACATTCA
 CTACCTCTTTAACTGCCCTGTTTCTTATCATCTGGCGCTCCTCATTGCAAGGCTCAGATGGCTCGG
 AACGTCTGGTTCTTCATTTGTCCCTTGTCAAGCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_178797
Insert Size: 1509 bp
OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_178797.3</u> , <u>NP_848912.1</u>
RefSeq Size:	3397 bp
RefSeq ORF:	1509 bp
Locus ID:	330450
UniProt ID:	<u>Q7TNT2</u>
Cytogenetics:	6 G3
Gene Summary:	<p>Catalyzes the reduction of saturated but not unsaturated C16 or C18 fatty acyl-CoA to fatty alcohols. A lower activity can be observed with shorter fatty acyl-CoA substrates (PubMed:15220348). It may play a role in the production of ether lipids/plasmalogens and wax monoesters which synthesis requires fatty alcohols as substrates (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. These differences cause a translation frameshift and result in an isoform (2) with a shorter and distinct C-terminus, compared to isoform 1.</p>