

Product datasheet for MC218351

Fads3 (BC071266) Mouse Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Fads3 (BC071266) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Fads3 |
| Synonyms: | A1464531 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >BC071266 |

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCGGTGTCGGGGAGCCCGGAGGGGGACCCGGGCCGCGGGAGGGGCCCGCACCGCTGGGGGCGCCCC
TACCCATCTTCCGCTGGGAGCAGATCCGCCAGCATGACCTACCAGGCGACAAGTGCTGGTCATCGAGCG
CCGTGTCTACGACATCAGCCGCTGGGCACAGCGGCACCCAGGGGGTAGCCGCCTCATCGGCCACCACGGT
GCGGAGGACGCCACGGATGCCTTCCACGCCTTCCACCAAGATCTCATTGTCGCAAGTTCCTGAAAC
CCCTGTTGATTGGAGAGCTAGCCCCAGAGGAACCCAGCCAGGATGGAGCTCAGAATGCCAGCTGATCGA
GGACTCCGAGCCTTGC GCCAGGCAGCTGAAGACATGAAGCTGTTGAAGCTGATACCACTTTCTTTGCA
CTCCTGCTGGGCCACATCCTGGCTATGGAGTTGTTGGCCTGGCTTATCATCTACCTTTGGCCCTGGCT
GGGTGTCCAGTATCCTTGTGCCCTGATCCTGGCCATCTCTCAGGCCAGTGCTGGTGTCTGCAACATGA
TCTAGGTCATGCTTCCATCTTCACTAAGTCCAGGTGGAACCATGTGGCCAGCAGTTCGTGATGGGGCAG
TTGAAAGTGAGTGTGGAGCGGGCGGCATCTGTGCTGGGTCTGTTCAAGTGTGCGGGTACCAAGTTGGA
GCCAGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | Sgfl-MluI |
| ACCN: | BC071266 |
| Insert Size: | 579 bp |



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| 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: | BC071266 |
| RefSeq Size: | 1866 bp |
| RefSeq ORF: | 710 bp |
| Locus ID: | 60527 |
| Cytogenetics: | 19 A |
| Gene Summary: | Acts as a methyl-end fatty acyl coenzyme A (CoA) desaturase that introduces a cis double bond between the preexisting double bond and the terminal methyl group of the fatty acyl chain. Desaturates (11E)-octadecenoate (trans-vaccenoate) at carbon 13 to generate (11E,13Z)-octadecadienoate, likely participating in the biohydrogenation pathway of linoleic acid (LA) (18:2n-6).[UniProtKB/Swiss-Prot Function] |