

Product datasheet for MR202881

Fads3 (BC071266) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fads3 (BC071266) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fads3
 Synonyms: A1464531
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202881 representing BC071266
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGGTGTCGGGGAGCCCGGAGGGGGACCCGGGCCGCGGGAGGGGCCCGCACCGCTGGGGGCGCCCC
 TACCCATCTTCCGCTGGGAGCAGATCCGCCAGCATGACCTACCAGGCGACAAGTGGCTGGTCATCGAGCG
 CCGTGTCTACGACATCAGCCGCTGGGCACAGCGGCACCCAGGGGGTAGCCGCCTCATCGGCCACCACGGT
 GCGGAGGACGCCACGGATGCCTTCCACGCCTTCCACCAAGATCTCATTGTCGCAAGTTCCTGAAAC
 CCCTGTTGATTGGAGAGCTAGCCCCAGAGGAACCCAGCCAGGATGGAGCTCAGAATGCCAGCTGATCGA
 GGACTCCGAGCCTTGCGCCAGGCAGCTGAAGACATGAAGCTGTTGAAGCTGATACCACTTTCTTTGCA
 CTCTGCTGGGCCACATCCTGGCTATGGAGTTGTTGGCCTGGCTTATCATCTACCTTTGGCCCTGGCT
 GGGTGTCCAGTATCCTTGTGCCCTGATCCTGGCCATCTCTCAGGCCAGTGCTGGTGTCTGCAACATGA
 TCTAGGTCATGCTTCCATCTTCACTAAGTCCAGGTGGAACCATGTGGCCAGCAGTTCGTGATGGGGCAG
 TTGAAAGTGAGTGTGGAGCGGGCGGCATCTGTGCTGGGTCTGTTCAAGTGTGCGGGTACCAAGTTGGA
 GCCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: BC071266

ORF Size: 708 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC071266](#)

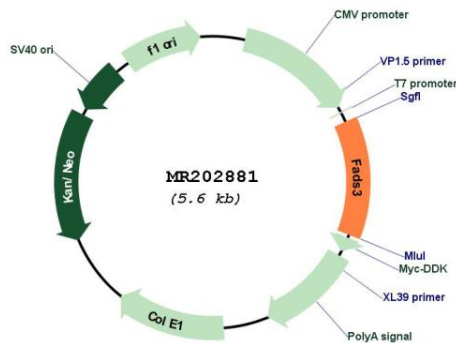
RefSeq Size: 1866 bp

RefSeq ORF: 710 bp

Locus ID: 60527
Cytogenetics: 19 A
MW: 68.4 kDa

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]

Product images:



Circular map for MR202881