

Product datasheet for MR219099

Fads6 (NM_178035) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fads6 (NM_178035) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fads6
Synonyms:	BC044804; OTTMUSG00000021749
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219099 representing NM_178035 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACCGTTCGTAGTGCCTCCGGGGACGGCGCTGCTGAGGCGCTGCTGAAAGAGCTGGAGCGTC
AGGTGCAGGATGTGGTGCGGGCGAGCTCGTGGTGGGAGCGCCACGGTGTGGACTGCGCCATCCTCGCTCT
CAGCCTGCTCGCCTTGCCGGCAGGGTTCCTGTGCCTACGCGCCATAATATCCTGGCCTTTGCCACGGC
ATCACAATCTTGGGTGTGTGCCATTATACTCACCGTCAAGGGCAGCCACCTGGCCACTCACAGTGCC
TCACAGAGTCAAACGCTGGAGCAAGATCTTGATGATTTCTTTTGGAGGTGTGCACAGCCTTTTCTGC
AGAGTTCGCCAAATCAACCACGTGAATCTGCACCACGTTTACACCAACGTGGTGGTCTGGGCGATTCA
AGCACGTGGAAGGTGCCTCTCCTCAACCCTACGTTTACATGTTCTTGGCCGCTTTTGGTCCCATCA
TAACGCCGCTGGTAGCTCTTGGCATTGAGGAAGGAAGGCCGAGGACTGCACTGCGGACTTTGGGCTT
CATCTGCCTGGGCTTTACTCTCAGTACTGGCTGTTTCAATGATGTGCAGGCTTCAAGAACCCAGTTCA
GCACTGGCCTGCATGTGCTCACCAGATCCCTGCTGGCCACCCTTATCTCCATGTCAATATCTCCAGC
ACATCGGACTGCCTATGTTCTCCCGGACAAGAAGCCAGGAGGATCCACATGATGACCTGGGGTTCT
GAACCTGCCACGGCAGCTGGTGTGGACTGGGCATTGGCCACTCCCTCATCAGTGCACGTGGAGCAC
CACCTCTCCCTGGCTCTGACCACATGTGCTTGAAGGTGAAGCCCTTGGTGTGCAAGTTTCTCCAGC
AGAAGCAGCTGCCTTACAATGAAGACTCATACCTGGCTCGATTCCAGCTGTTCTCAGCCGCTATGAGGA
GTTTATGGTGCATGTCCCGCCATCACTGAGCTGGTGGGGTGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR219099 representing NM_178035
Red=Cloning site Green=Tags(s)

```

METVRSAPPGDAAEALLKELERQVQDVVRASSWVERHGVDCAILALSLALPAGFLCLRAHNILAFATG
ITILGVCHYTLTVKGSHLATHSALTESKRWSKILMIFFLEVCTAFSAEFAKFNHVNHHVYTNVVGLDGS
STWKVPLLNRVYVMFLGPLLVPIITPLVALEHLRKEEPRTALRTLGFICLGLYSQYWLFMNVSGFKNPSS
ALACMLLTRSLLAHPYLHVNIHQHIGLPMFSPDKKPRRIHMMTLGVNLNLRQLVLDWAFGHSLISCHVEH
HLFPWLSDHMCLKVKPLVSKFLHEKQLPYNEDSYLARFQLFLSRVEEFMVHVPPITELVGVQ
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9020_b08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_178035

ORF Size: 1026 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: [NM_178035.5](#)

RefSeq Size: 1257 bp

RefSeq ORF: 1029 bp

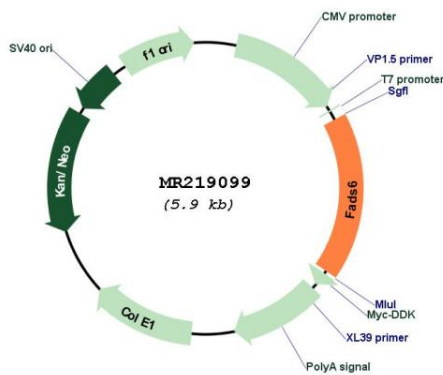
Locus ID: 328035

UniProt ID: [Q80UG1](#)

Cytogenetics: 11 E2

MW: 39.3 kDa

Product images:



Circular map for MR219099