

## Product datasheet for **RR212427**

### Fads6 (NM\_001107064) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fads6 (NM\_001107064) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fads6  
**Synonyms:** RGD1311950  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212427 representing NM\_001107064  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGCCCACTCGCAGTGGCCTCCGGGGACGGCGTCTGAGGCACTCCTGAAAGAGCTGGAGCGTC  
AGGTGCAGGATGTGGTGGGGCAGCTCGTGGTGGGAGCGCCACGGTGTGGACTGCGCCATCCTCGCTCT  
CAGCCTGCTCGCCCTGCCGGCTGGGTTCTGTGCCTACGCTTCCATAATGTTCTGGCCTTTGCCACTGGC  
ATTACAATCTTGGGTGTGTGCCACTATACACTACGGTCAAAGGCAGCCACCTGGCTACTCACAGTGCC  
TCACAGAGTCAAACGCTGGAGCAAGATCTTGATGATTTCTTTGTGGAGGTGTGCACAGCCTTCTCTGC  
AGAGTTTGCTAAGTTCAACCACGTGAATATGCACCACGGTTACACCAACGTGTTGGGTCTGGGAGACTCC  
AGCACATGGAAGATGCCTCTCCTCAACCCTACGCTCTACATGCTCCTTGGACCGCTTTTGGTCCCCCTCC  
TAACGCCACTGGTAGCTCTTGAAGCATTGAGGAAGGAAGAGCTGAAGACGGCACTGCGGGCTTTGGGCTT  
CATTTGCCTGGGCCTTTACTCTCAGTACTGGCTGTTCAATGAACGTGTGGGCTTCAAGAGCCCTGCTTCA  
GCGCTGGCCTGCATGCTGCTCGCCAGGTCCTGCTGGCCACCCCTACCTCCACGTCAATATCTTCCAGC  
ATATTGGATTGCCTATGTTCTCCCGGACAAGAAGCCAGCGGATTACATGATGACGCTGGGGGTTCT  
GAACCTGCCCCGGCAGCCAGTGTGACTGGGCGTTTCGGCCACTCCCTCATCAGCTGCCATGTGGAGCAC  
CACCTTCTCCCTTGGCTCTCTGACCACATGTGCTTGAAGGTGAAGCCCGTGGTATCCAAGTTTCTCCAGC  
ACAAGAGGCTACCCTATAATGAAGACTCGTACTTGGCTCGATTTTCAGCTGTTTCTTAGTCGCTATGAGGA  
GTTTCATGGTGCATGTCCCGCCCATCACTGAGCTGGTGGGGCTGCAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212427 representing NM\_001107064  
 Red=Cloning site Green=Tags(s)

MEPTRSAPPDGAEEALLKELERQVQDVVRASSWVERHGVDCAILALSLALPAGFLCLRFHNVLFATG  
 ITILGVCHYTLTVKGSHLATHSALTESKRWSKILMIFFVEVCTAFPAEFAKFNHVNMMHHGYTNVLGLGDS  
 STWKMPLLNRYVYMLLGPLLVPLLTPLVALEHLRKEELKTALRALGFICLGLYSQYWLFMNVSGFKSPAS  
 ALACMLLARSLLAHPYLHVNIHQHIGLPMFSPDKKPRRIHMMTLGVNLNLRQPVLDWAFGHSLISCHVEH  
 HLFPWLSDHMCLKYKPVVSKFLHDKRLPYNEDSYLARFQLFLSRYEEMVHVPPITELVGLQ

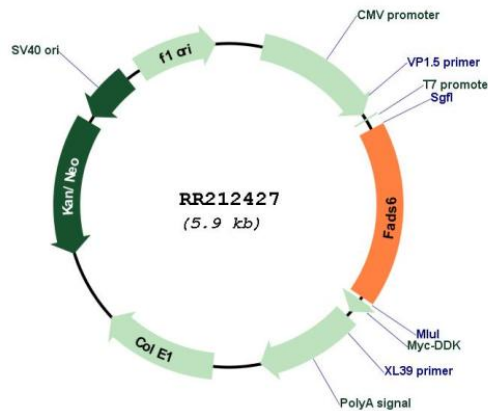
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001107064

**ORF Size:** 1026 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001107064.1</a> , <a href="#">NP_001100534.1</a>
<b>RefSeq Size:</b>	1796 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	303671
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	38.8 kDa