

Product datasheet for **MG205831**

Adipor1 (NM_028320) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adipor1 (NM_028320) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Adipor1
Synonyms: 2810031L11Rik; ACD1R1; CGI-45; Paqr1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205831 representing NM_028320
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCCCACAAAGGCTCTGCCGGGCACAAGGCAATGGGGCTCCTTCTGGTAACAGAGAAGCTGACA
CAGTGGAGCTGGCTGAGCTGGGGCCCTGCTGGAGGAGAAGGGCAAGCGGGCAGCCAGCAGCCAGCCAA
GGCTGAGGAAGATCAAGCATGCCCGGTGCCTCAGGAAGAGGAGGAGGTGCGGGTCTGACGCTTCT
CTGCAAGCCCACCATGCCATGGAGAAGATGGAGGAGTTCGTGTATAAGGTCTGGGAGGGACGTTGGAGAG
TCATCCCGTATGATGTGCTTCTGACTGGCTGAAAGACAACGACTACCTGCTACATGGCCACAGACCACC
TATGCCCTCCTTTCGGGCTTGTCAAGAGCATCTCCGATCCACACAGAGACTGGCAACATCTGGACA
CATCTGCTTGGTTTTGTGCTATTTCTTTCTGGGAATCTTGACGATGCTGAGACCAAATATGACTTCA
TGGCTCCCTGCAGGAGAAGGTGGTCTTCGGGATGTTCTTCTGGGCGCGGTGCTCTGCCTCAGTTTCTC
CTGGCTCTCCACACTGTCTACTGTCAATCAGAGAAGGTCTCTCGGACTTTTTCCAACTGGACTATTCA
GGGATTGCTCTACTGATTATGGGAGCTTCGTTCCCTGGCTCTATTACTCCTTCTACTGCTCCACAGC
CGCGGCTCATCTACCTCTCCATCGTCTGTGTCTGGGCATCTCTGCCATCATTGTGGCACAGTGGGACCG
GTTTGGCACTCCCAAGCACCGGCAGACAAGAGCAGGAGTGTTCCTGGGACTTGGCTTGTGTTGTTGTA
CCCACCATGCACCTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACGGTGGGCGAGATGGGCTGGTTCT
TCCTCATGGCTGTGATGTACATCACCGGCGCGGCTGTATGCTGCTCGATTCTGAGCGCTTCTTCCC
TGGAAAATTTGACATCTGGTTCCAGTCTCATCAGATTTTCCACGCTCTGGTGGTGGCAGCAGCTTTCGTC
CACTTCTATGGTGTGCCAACCTTCAGGAATTCGTTATGGCCTAGAAGGTGGCTGTACCGACTCC
TTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205831 representing NM_028320
 Red=Cloning site Green=Tags(s)

MSSHKGSAGAQQNGAPSGNREADTVELAEGLPLLEEKGKRAASSPAKAEEDQACVPVQEEEEVRLTLP
 LQAHAMEKMEEFVYKWEGRWRVIPYDVLDPWLKNDYLLHHRPPMPSFRACFKSIFRIHTETGNIWT
 HLLGFVLFLLGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLFSWL FHTVYCHSEKVSRTFSKLDYS
 GIALLIMGSFVPLYYSFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLSGVV
 PTMHFTIAEGFVKATTVGQMGWFFLMVVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAADFV
 HFYGVSNLQEFRYGLEGGCTDSSL

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3112_a07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028320

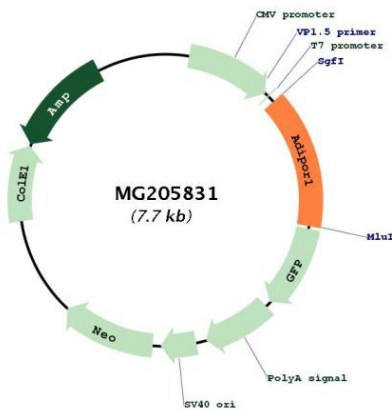
ORF Size: 1125 bp

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](#)

- 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_028320.4](#)
- RefSeq Size:** 2024 bp
- RefSeq ORF:** 1128 bp
- Locus ID:** 72674
- UniProt ID:** [Q91VH1](#)
- Cytogenetics:** 1 E4
- Gene Summary:** This gene encodes a receptor for the fat-derived hormone adiponectin. Binding of adiponectin to the encoded protein results in activation of an AMP-activated kinase signaling pathway which affects levels of fatty acid oxidation and insulin sensitivity. Homozygous knockout mice for this gene exhibit elevated plasma glucose and insulin levels as well as impaired glucose tolerance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MG205831