

Product datasheet for **RR211497**

Adipor1 (NM_207587) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adipor1 (NM_207587) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adipor1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211497 representing NM_207587
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCCCACAAAGGATCTGCCGTGGCCAGGGCAATGGGGCTCCTTCTAGTAACAGAGAAGCGGACA
CGGTGGAGCTGGCTGAGCTGGGGCCCTGCTGGAGGAGAAGGGTAAGCGGGCAGCCACCAGCCAGCCAA
GGCTGAAGAAGAACAAGCATGCCCGTGCCTCAGGAGGAGGAGGAGGTGCGGGTGCTGACCCCTCCT
CTGCAAGCCACCATGCCATGGAGAAGATGGAGGAGTTCGTATATAAGGTCTGGGAGGGCGTTGGAGGG
TCATCCCATACGATGTGCTTCTGACTGGCTGAAAGACAATGACTACCTGCTACATGGCCACAGACCACC
TATGCCCTCCTTCCGGGCTTGTCAAGAGCATCTCCGCATCCACAGAACTGGCAACATCTGGACA
CATTTGCTTGGTTTTGTGCTATTTCTTTCTGGGAATCTTGACCATGCTCAGACCAAATATGTACTTCA
TGGCTCCCCTCCAGGAGAAGGTGGTCTTCGGGATGTTCTTCTGGGTGCAGTCTGCTCAGCTTCTC
CTGGCTTTTCCACACCGTCTACTGTCATTCAGAGAAGGTCTCTCGCACTTTTCCAACTGGACTATTCA
GGGATTGCTCTACTGATTATGGGGAGCTTCGTCCCCTGGCTCTATTACTCCTTCTACTGCTCCCCACAGC
CACGGCTCATCTACCTCTCCATCGTCTGTGTCCTGGGCATCTCTGCCATCATTGTGGCACAGTGGGACCG
GTTTGCCACTCCAAGCACCGGCAGACAAGAGCAGGAGTGTTCCTGGGACTTGGCTTGAGTGGTGTGTA
CCCACCATGCACTTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACAGTGGGCCAGATGGGCTGTTCT
TCCTCATGGCTGTGATGTACATACCCGGCCTGGCCTTTATGCTGCTCGGATTCTGAGCGCTTCTTTCC
TGGAAAATTTGACATATGGTTCCAGTCTCATCAGATTTTCCATGTCTGCTGGTGGCAGCGGCTTTCGTC
CACTTCTATGGGGTGTCCAACCTACAGGAATCCGTTACGGCCTAGAGGGTGGATGTACCGATGACTCCC
TTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211497 representing NM_207587
 Red=Cloning site Green=Tags(s)

MSSHKGSAVAQNGAPSSNREADTVELAELGPLLEEKGKRAATSPAKAEEEQACPVPEEEEEVRLTLP
 LQAHAMEKMEEFVYKVEGRWRVIPYDVLDPWLKNDYLLHGRPPMPSFRACFKSIFRIHTETGNIWT
 HLLGFVLFLLGILTMLRPNMYFMAPLQEKVVFVGMFFLGAVLCLFSWLFHTVYCHSEKVSRTFSKLDYS
 GIALLIMGSFVPLYYSFYCSQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVV
 PTMHFTIAEGFVKATTVGQMGWFFLMVMIYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAAAFV
 HFYGVSNLQEFRYGLEGGCTDSSL

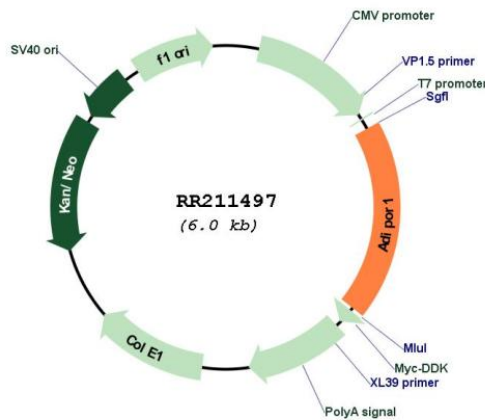
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_207587

ORF Size:	1125 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:	<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:	NM_207587.1 , NP_997470.1
RefSeq Size:	2055 bp
RefSeq ORF:	1128 bp
Locus ID:	289036
Cytogenetics:	13q13
MW:	42.5 kDa
Gene Summary:	mouse homolog acts as a receptor for adiponectin; facilitates activation of AMP kinase and PPAR-alpha and increased fatty acid oxidation [RGD, Feb 2006]