

## Product datasheet for **RR205822**

### Adipoq (NM\_144744) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adipoq (NM_144744) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adipoq
Synonyms:	Acdc; Acrp30
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205822 representing NM_144744 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGCTACTGTTGCAAGCGCTCCTGTTCTCTTAATCCTGCCAGTCATGAAGGGATTACTGCAACCGAAG  
GGCCAGGAGCTTTGGTCCCTCCACCCAAGGAACTTGTGCAGTTGGATGGCAGGCATCCCAGGATATCC  
TGGTCACAATGGGATACCGGGCCGTGATGGCAGAGATGGCACTCCTGGAGAGAAGGGAGAGAAGGGAGAC  
GCAGGTGTTCTTGGTCTAAGGGTGACCCAGGAGATGCTGGAATGACAGGAGCGGAAGGGCCACGGGGCT  
TTCCCGGAACCCCTGGCAGGAAAGGAGAGCCCGGAGAAGCCGTTACATGTATCACTCAGCATTCAGCGT  
AGGGCTGGAGACCCGCTCACTGTCCCAATGTTCCCATTCGTTTACTAAGATCTTCTACAACCAACAG  
AATCATTATGACGGCAGCACTGGCAAATTCACCTGCAACATTCGGGGCTCTACTACTTTTCTACCACA  
TCACGGTGATACATGAAGGATGTGAAAGTGAGCCTCTTCAAGAAGGACAAGGCCGTTCTTTCACCTACGA  
CCAGTATCAGGAAAAAATGTGGACCAGGCCTCTGGCTCCATGCTCCTCCATCTGGAGGTGGGAGACCAA  
GTCTGGCTCCAAGTGTATGGGAAGGGGACAACAATGGACTCTATGCAGATAATGTCAATGACTCTACAT  
TTACAGGCTTCTTCTCTACCATGATACCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205822 representing NM\_144744  
 Red=Cloning site Green=Tags(s)

MLLLQALLFLLILPSHEGITATEGPGALVPPPKETCAGWMAGIPGYPGHNGIPGRDGRDGTTPGEKGEKGD  
 AGVLGPKGDPGDAGMTGAEGPRGFPPTGRKGEPEAAAYMHSFVSVGLETRVTPVNPVIRFTKIFYNQQ  
 NHYDGTGKGFHCNIPGLYYFSYHITVYMKDVKVSFLFKDKAVLFTYDQYQEKVNDQASGSMLLHLEVGDQ  
 VWLQVYGEEDNGLYADNVNDSTFTGFLLYHDTN

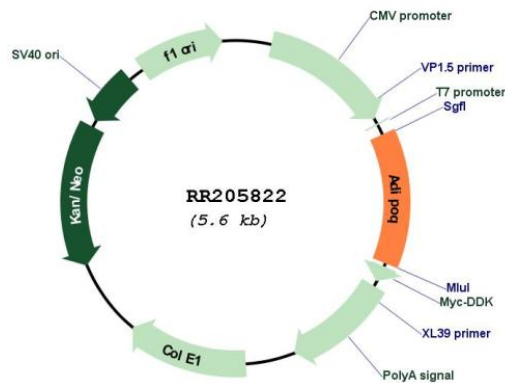
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_144744  
 ORF Size: 732 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_144744.3</a> , <a href="#">NP_653345.1</a>
<b>RefSeq Size:</b>	1487 bp
<b>RefSeq ORF:</b>	735 bp
<b>Locus ID:</b>	246253
<b>Cytogenetics:</b>	11q23
<b>MW:</b>	26.4 kDa
<b>Gene Summary:</b>	adipocyte complement-related factor that plays a role in obesity-related insulin resistance [RGD, Feb 2006]