

Product datasheet for **RG203907**

Adiponectin Receptor 1 (ADIPOR1) (NM_015999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adiponectin Receptor 1 (ADIPOR1) (NM_015999) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adiponectin Receptor 1
Synonyms:	ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203907 representing NM_015999 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCCCACAAAGGATCTGTGGTGGCACAGGGGAATGGGGCTCCTGCCAGTAACAGGGAAGCTGACA
CGGTGGAAGTGGCTGAAGTGGGACCCCTGCTAGAAGAGAAGGGCAACCGGTAATCGCCAACCCACCCAA
AGCTGAAGAAGAGCAAACATGCCAGTCCCCAGGAAGAAGAGGAGGAGGTGCGGACTGACACTTCCC
CTGCAAGCCACCACGCCATGGAGAAGATGGAAGATTTGTGTACAAGGCTGGGAGGGACGTTGGAGGG
TCATCCCATATGATGTGCTCCCTGACTGGCTAAAGGACAACGACTATCTGCTACATGGTCATAGACCTCC
CATGCCCTCCTTTCGGGCTTGTCAAGAGCATCTCCGATTACATACAGAACTGGCAACATCTGGACC
CATCTGCTTGGTTTCGTGCTGTTTCTCTTTTTGGGAATCTTGACCATGCTCAGACCAAATATGTAATTCA
TGGCCCTCTACAGGAGAAGGTGGTTTTTGGGATGTTCTTTTTGGGTGCAGTGTCTGCCTCAGCTTCTC
CTGGCTTTTACACCGTCTATTGTCAATCAGAGAAAGTCTCTCGGACTTTTTCCAACTGGACTATTCA
GGGATTGCTCTTCTAATTATGGGAGCTTTGTCCCCTGGCTCTATTATTCCTTCTACTGCTCCCCACGC
CACGGCTCATCTACCTCTCCATCGTCTGTGTCTGGGCATTTCTGCCATCATTGTGGCGCAGTGGGACCG
GTTTGGCACTCCTAAGCACCGGCAGACAAGAGCAGGCGTGTCTGGGACTTGGCTTGTAGTGGCGTGTG
CCCACCATGCACCTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACAGTGGGCCAGATGGGCTGGTTC
TCCTCATGGCTGTGATGTACATCACTGGAGCTGGCCTTTATGCTGCTCGAATTCCTGAGCGCTTCTTTCC
TGGAAAATTTGACATATGGTTCCAGTCTCATCAGATTTTCCATGCTCCTGGTGGTGGCAGCAGCCTTTGTC
CACTTCTATGGAGTCTCCAACCTTCAGGAATTCGGTTACGGCCTAGAAGGCGGCTGTACTGATGACACCC
TTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203907 representing NM_015999
 Red=Cloning site Green=Tags(s)

MSSHKGSVVAQNGAPASNREADTVELAELGPLLEEKGKRVIANPPKAEETCPVPQEEEEVVRVLTLP
 LQAHAMEKMEEFVYKVEGRWRVIPYDVLDPWLKNDYLLHGRPPMPSFRACFKSIFRIHTETGNIWT
 HLLGFVLFLLGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLFSWLFHTVYCHSEKVSRTFSKLDYS
 GIALLIMGSFVPLYYSFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLSGVV
 PTMHFTIAEGFVKATTVQMGWFFLMVVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVAAAFV
 HFYGVSNLQEFRYGLEGGCTDDTLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015999

ORF Size: 1125 bp

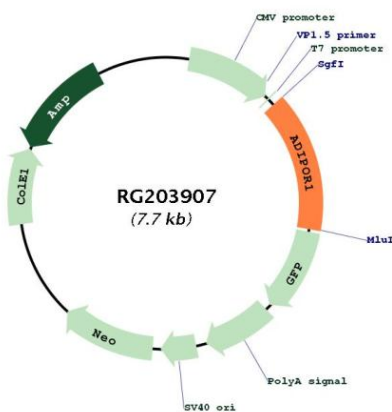
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<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:	<u>NM_015999.6</u>
RefSeq Size:	2108 bp
RefSeq ORF:	1128 bp
Locus ID:	51094
UniProt ID:	<u>Q96A54</u>
Cytogenetics:	1q32.1
Domains:	UPF0073
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway
Gene Summary:	This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by adipocytes which regulates fatty acid catabolism and glucose levels. 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. A pseudogene of this gene is located on chromosome 14. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2014]

Product images:



Circular map for RG203907