

Product datasheet for **RG225575**

Adiponectin Receptor 1 (ADIPOR1) (NM_001127687) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adiponectin Receptor 1 (ADIPOR1) (NM_001127687) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADIPOR1
Synonyms:	ACDCR1; CGI-45; CGI45; FLJ25385; FLJ42464; PAQR1; TESBP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225575 representing NM_001127687 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCCCACAAAGGATCTGTGGTGGCACAGGGGAATGGGGCTCCTGCCAGTAACAGGGAAGCTGACA
CGGTGGAAGTGGCTGAACTGGGACCCCTGCTAGAAGAGAAGGGCAACCGGTAATCGCCAACCCACCCAA
AGCTGAAGAAGAGCAAACATGCCAGTCCCCAGGAAGAAGAGGAGGAGTGGGGTACTGACACTTCCC
CTGCAAGCCCACCACGCCATGGAGAAGATGGAAGATTTGTGTACAAGTCTGGGAGGGACGTTGGAGGG
TCATCCCATATGATGTGCTCCCTGACTGGCTAAAGGACAACGACTATCTGCTACATGGTCATAGACCTCC
CATGCCCTCCTTTCGGGCTTGTTCAGAGCATCTCCGATTACATACAGAACTGGCAACATCTGGACC
CATCTGCTTGGTTTCGTGCTGTTTCTCTTTTGGGAATCTTGACCATGCTCAGACCAAATATGTAATTCA
TGGCCCTCTACAGGAGAAGGTGGTTTTTGGGATGTTCTTTTGGGTGCAGTGTCTGCCTCAGCTTCTC
CTGGCTCTTTCACACCGTCTATTGTCAATCAGAGAAAGTCTCTCGGACTTTTCCAACTGGACTATTCA
GGGATTGCTCTTCTAATTATGGGAGCTTTGTCCCCTGGCTCTATTATTCCTTCTACTGCTCCCCACGC
CACGGCTCATCTACCTCTCCATCGTCTGTGTCTGGGCATTTCTGCCATCATTGTGGCGCAGTGGGACCG
GTTTGGCACTCCTAAGCACCGGCAGACAAGAGCAGGCGTGTCTGGGACTTGGCTTGTAGTGGCGTCTGT
CCCACCATGCACCTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACAGTGGGCGAGTGGGCTGGTTCT
TCCTCATGGCTGTGATGTACATCACTGGAGCTGGCCTTTATGCTGCTCGAATTCCTGAGCGCTTCTTTCC
TGGAAAATTTGACATATGGTTCCAGTCTCATCAGATTTTCCATGCTCCTGGTGGTGGCAGCAGCCTTTGTC
CACTTCTATGGAGTCTCCAACCTTCAGGAATTCGGTTACGGCCTAGAAGCGGCTGTACTGATGACACCC
TTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG225575 representing NM_001127687
 Red=Cloning site Green=Tags(s)

MSSHKGSVVAQNGAPASNREADTVELAELGPLLEEKGKRVIANPPKAEETQCPVPQEEEEVRLTLP
 LQAHAMEKMEEFVYKVEGRWRVIPYDVLDPWLKNDYLLHGRPPMPSFRACFKSIFRIHTETGNIWT
 HLLGFVLFLLGILTMLRPNMYFMAPLQEKVVFVGMFFLGAVLCLSF SWLFHTVYCHSEKVSRTFSKLDYS
 GIALLIMGSFVPLYYSFYCSQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLSGVV
 PTMHFTIAEGFVKATTVQMGWFFLMVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVAAAFV
 HFYGVSNLQEFRYGLEGGCTDDTLL

TRTRPLE - GFP Tag - V

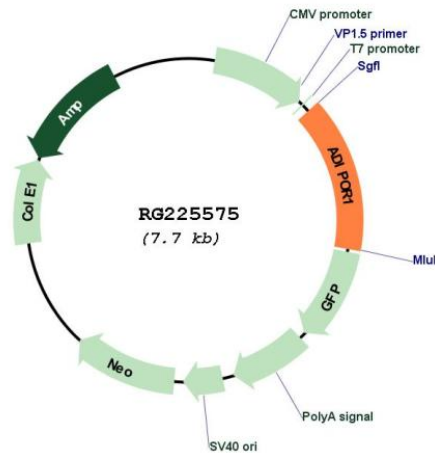
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001127687

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_001127687.1 , NP_001121159.1
RefSeq Size:	2143 bp
RefSeq ORF:	1127 bp
Locus ID:	51094
Cytogenetics:	1q32.1
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]