

## Product datasheet for **RG237825**

### Adiponectin Receptor 1 (ADIPOR1) (NM\_001290629) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adiponectin Receptor 1 (ADIPOR1) (NM_001290629) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADIPOR1
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:	>RG237825 representing NM_001290629. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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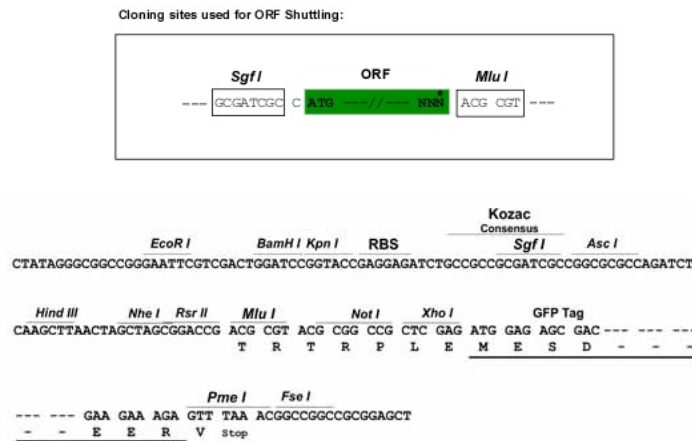
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**Protein Sequence:** >Peptide sequence encoded by RG237825  
 Blue=ORF Red=Cloning site Green=Tag(s)

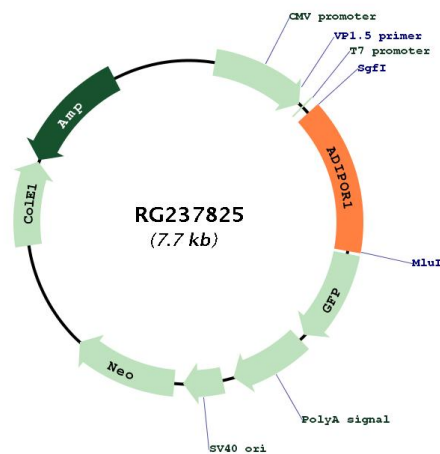
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 DYSGIALLIMGSFVPLYYSFYCSQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGL  
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**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001290629
<b>ORF Size:</b>	1125 bp
<b>OTI Disclaimer:</b>	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>
<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>RefSeq:</b>	<a href="#">NM_001290629.1</a> , <a href="#">NP_001277558.1</a>
<b>RefSeq Size:</b>	2137 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	51094
<b>UniProt ID:</b>	<a href="#">Q96A54</a>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Adipocytokine signaling pathway
<b>MW:</b>	42.6 kDa
<b>Gene Summary:</b>	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]