

## Product datasheet for **SC335717**

### Adiponectin Receptor 1 (ADIPOR1) (NM\_001290553) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adiponectin Receptor 1 (ADIPOR1) (NM\_001290553) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ADIPOR1  
**Synonyms:** ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC335717 representing NM\_001290553.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

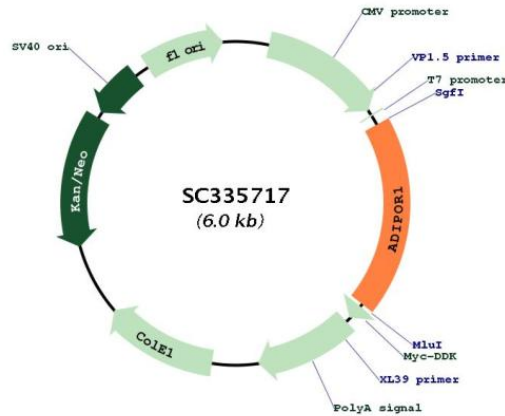
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AAAGCTGAAGAAGAGCAAACATGCCAGTGCCCCAGGAAGAAGAGGAGGAGGTGCGGGTACTGACACTT
CCCCTGCAAGCCCACCACGCCATGGAGAAGATGGAAGAGTTTGTGTACAAGGTCTGGGAGGGACGTTGG
AGGGTCATCCCATATGATGTGCTCCCTGACTGGCTAAAGGACAACGACTATCTGTACATGGTCATAGA
CCTCCCATGCCCTCCTTCGGGCTTGCTCAAGAGCATCTCCGATTACACAGAACTGGCAACATC
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CAGTGGGACCGGTTTGCCACTCCTAAGCACCGGCAGACAAGAGCAGGCGTTCCTGGGACTTGGCTTG
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GAGCGCTTCTTTCCTGGAAAATTTGACATATGGTTCCAGTCTCATCAGATTTTCCATGTCCTGGTGGTG
GCAGCAGCCTTTGTCCACTTCTATGGAGTCTCCAACCTTCAGGAATCCGTTACGGCCTAGAAGGGCGC
TGTA CTGATGACACCTTCTCTGA
  
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**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001290553

**Insert Size:** 1128 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:**

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\\_001290553.1](#)

**RefSeq Size:** 2048 bp

RefSeq ORF:	1128 bp
Locus ID:	51094
UniProt ID:	<a href="#">Q96A54</a>
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway
MW:	42.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4, also known as R1T2) has an alternate 5' UTR exon, compared to variant 1. All variants encode the same protein.</p>