

Product datasheet for **SC335718**

Adiponectin Receptor 1 (ADIPOR1) (NM_001290557) Human Untagged Clone

Product data:

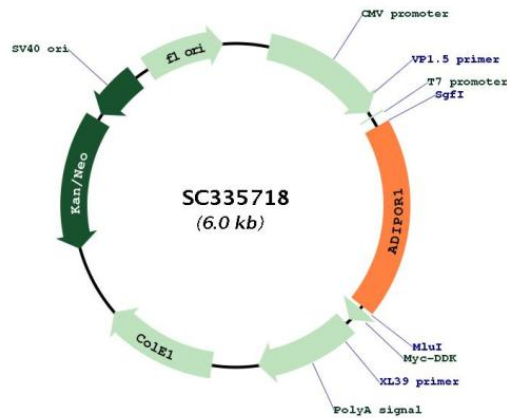
Product Type: Expression Plasmids
Product Name: Adiponectin Receptor 1 (ADIPOR1) (NM_001290557) Human Untagged Clone
Tag: Tag Free
Symbol: ADIPOR1
Synonyms: ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC335718 representing NM_001290557.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCTCCACAAAGGATCTGTGGTGGCACAGGGGAATGGGGCTCCTGCCAGTAACAGGGAAGCTGAC
ACGGTGGAACTGGCTGAACTGGGACCCCTGCTAGAAGAGAAGGGCAAACGGGTAATCGCCAACCCACCC
AAAGCTGAAGAAGAGCAAACATGCCAGTGCCCCAGGAAGAAGAGGAGGAGGTGCGGGTACTGACACTT
CCCCTGCAAGCCCACCACGCCATGGAGAAGATGGAAGAGTTTGTGTACAAGGTCTGGGAGGGACGTTGG
AGGGTCATCCCATATGATGTGCTCCCTGACTGGCTAAAGGACAACGACTATCTGTACATGGTCATAGA
CCTCCCATGCCCTCCTTTCGGGCTTGCTCAAGAGCATCTCCGATTACACAGAACTGGCAACATC
TGGACCCATCTGCTTGGTTTCGTGCTGTTTCTCTTTTTGGGAATCTTGACCATGCTCAGACCAAATATG
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AGCTTCTCCTGGCTCTTTCACACCGTCTATTGTCAATTCAGAGAAAGTCTCTCGGACTTTTTCCAACTG
GACTATTCAGGGATTGCTCTTCTAATTATGGGGAGCTTTGTCCCCTGGCTCTATTATTCCTTCTACTGC
TCCCCACAGCCACGGCTCATCTACCTCTCCATCGTCTGTGCTCCTGGGCATTTCTGCCATCATTGTGGCG
CAGTGGGACCGGTTTGCCACTCCTAAGCACCGGCAGACAAGAGCAGGCGTTCCTGGGACTTGGCTTG
AGTGGCGTCGTGCCACCATGCACTTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACAGTGGCCAG
ATGGGCTGGTTCTTCTCATGGCTGTGATGTACATCACTGGAGCTGGCCTTTATGCTGCTCGAATTCTC
GAGCGCTTCTTTCGGAAAATTTGACATATGGTTCCAGTCTCATCAGATTTTCCATGTCCTGGTGGTG
GCAGCAGCCTTTGTCCACTTCTATGGAGTCTCCAACCTTCAGGAATCCGTTACGGCCTAGAAGGGCGC
TGTA CTGATGACACCTTCTCTGA
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001290557

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_001290557.1](#)

RefSeq Size: 2251 bp

RefSeq ORF:	1128 bp
Locus ID:	51094
UniProt ID:	Q96A54
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway
MW:	42.6 kDa

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]

Transcript Variant: This variant (3, also known as R1T3) has an additional internal exon in the 5' UTR, compared to variant 1. All variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.