

## Product datasheet for SC323012

### Adiponectin Receptor 1 (ADIPOR1) (NM\_001127687) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adiponectin Receptor 1 (ADIPOR1) (NM_001127687) Human Untagged Clone
Tag:	Tag Free
Symbol:	Adiponectin Receptor 1
Synonyms:	ACDCR1; CGI-45; CGI45; FLJ25385; FLJ42464; PAQR1; TESBP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323012 representing NM_001127687. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTTCCCACAAGGATCTGTGGTGGCACAGGGGAATGGGGCTCCTGCCAGTAACAGGGAAGCTGAC
ACGGTGGAACTGGCTGAACTGGGACCCCTGCTAGAAGAGAAGGGCAAACGGGTAATCGCCAAACCCACC
AAAGCTGAAGAAGAGCAAACATGCCAGTGCCCGAGGAAGAAGAGGAGGAGGTGCGGGTACTGACACTT
CCCCTGCAAGCCACCACGCCATGGAGAAGATGGAAGAGTTTGTGTACAAGTCTGGGAGGGACGTTGG
AGGGTCATCCCATATGATGTGCTCCCTGACTGGCTAAAGGACAACGACTATCTGTACATGGTCATAGA
CCTCCCATGCCCTCCTTCGGGCTTGTCAAGAGCATCTCCGCATTCACAGAACTGGCAACATC
TGGACCCATCTGCTTGGTTTCGTGCTGTTCTCTTTTGGGAATCTTGACCATGCTCAGACCAAATATG
TACTTCATGGCCCTCTACAGGAGAAGGTGGTTTTTGGGATGTTCTTTTGGGTGCAAGTCTGCTGCCCTC
AGCTTCTCCTGGCTCTTTCACACCGTCTATTGTCAATTCAGAGAAAGTCTCTCGGACTTTTTCCAAACTG
GACTATTCAGGGATTGCTCTTCTAATTATGGGGAGCTTTGTCCCTGGCTCTATTATTCCTTCTACTGC
TCCCCACAGCCACGGCTCATCTACCTCTCCATCGTCTGTGCTCCTGGGCATTTCTGCCATCATTGTGGCG
CAGTGGGACCGGTTTGCCACTCCTAAGCACCGGCAGACAAGAGCAGGCGTGTCTGGGACTTGGCTTG
AGTGGCGTCGTGCCACCATGCACTTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACAGTGGCCAG
ATGGGCTGGTTCTTCTCATGGCTGTGATGTACATCACTGGAGCTGGCCTTTATGCTGCTCGAATTCCT
GAGCGCTTCTTCTGGAAAATTTGACATATGGTTCCAGTCTCAGATTTCATGTCCTGGTGGTG
GCAGCAGCCTTTGTCACCTTCTATGGAGTCTCCAACCTTCAGGAATTCGGTTACGGCCTAGAAGGGCGC
TGTAAGTATGACACCTTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001127687
<b>Insert Size:</b>	1128 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127687.1</a></u>
<b>RefSeq Size:</b>	2143 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	51094
<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>	<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 (2) includes alternate 5' UTR exons. Variants 1 and 2 encode the same protein.</p>