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Product datasheet for SC114483

Adiponectin Receptor 1 (ADIPOR1) (NM_015999) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adiponectin Receptor 1 (ADIPOR1) (NM_015999) Human Untagged Clone
Tag:	Tag Free
Symbol:	Adiponectin Receptor 1
Synonyms:	ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC114483 sequence for NM_015999 edited (data generated by NextGen Sequencing)

ATGTCTTCCCACAAAGGATCTGTGGTGGCACAGGGGAATGGGGCTCCTGCCAGTAACAGG
GAAGCTGACACGGTGGAACTGGCTGAACTGGGACCCCTGCTAGAAGAGAAGGGCAAACGG
GTAATCGCCAACCCACCCAAAGCTGAAGAAGAGCAAACATGCCCAGTGCCCCAGGAAGAA
GAGGAGGAGGTGCGGGTACTGACACTTCCCCTGCAAGCCCACCACGCCATGGAGAAGATG
GAAGAGTTTGTGTACAAGGTCTGGGAGGGACGTTGGAGGGTCATCCCATATGATGTGCTC
CCTGACTGGCTAAAGGACAACGACTATCTGCTACATGGTCATAGACCTCCCATGCCCTCC
TTTCGGGCTTGCTTCAAGAGCATCTTCCGCATTCATACAGAAACTGGCAACATCTGGACC
CATCTGCTTGGTTTCGTGCTGTTTCTCTTTTTGGGAATCTTGACCATGCTCAGACCAAAT
ATGTACTTCATGGCCCCTCTACAGGAGAAGGTGGTTTTTGGGATGTTCTTTTTGGGTGCA
GTGCTCTGCCTCAGCTTCTCCTGGCTCTTTCACACCGTCTATTGTCATTCAGAGAAAGTC
TCTCGGACTTTTTCCAAACTGGACTATTCAGGGATTGCTCTTCTAATTATGGGGAGCTTT
GTCCCCTGGCTCTATTATTCCTTCTACTGCTCCCCACAGCCACGGCTCATCTACCTCTCC
ATCGTCTGTGTCCTGGGCATTTCTGCCATCATTGTGGCGCAGTGGGACCGGTTTGCCACT
CCTAAGCACCGGCAGACAAGAGCAGGCGTGTTCCTGGGACTTGGCTTGAGTGGCGTCGTG
CCCACCATGCACTTTACTATCGCTGAGGGCTTTGTCAAGGCCACCACAGTGGGCCAGATG
GGCTGGTTCTTCCTCATGGCTGTGATGTACATCACTGGAGCTGGCCTTTATGCTGCTCGA
ATTCCTGAGCGCTTCTTTCCTGGAAAATTTGACATATGGTTCCAGTCTCATCAGATTTTC
CATGTCCTGGTGGTGGCAGCAGCCTTTGTCCACTTCTATGGAGTCTCCAACCTTCAGGAA
TTCCGTTACGGCCTAGAAGGCGGCTGTACTGATGACACCCTTCTCTGA

Clone variation with respect to NM_015999.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015999 unedited
GCGATTTTGTAAACCGACTTTACTATAGGCGGCCGCGCAATTCGCACGAGGGGCGCGGGG
AGGGCGCTGAAGATCGGGGCCGCTCGGCCGCAGGCCGCCTCCAGCGCCGCGGGATGTAGC
GCGGGGGACCGCGGCCCCCAGCAGAGCCCGCCTGCCCGGCTTGTCTACCATCAGAGGGAG
ATCTCTGCCCCCTGGGGCTGAGAGACCCCAACCTTTCCCCAAGCTGAAGCTGCAGGGTAT
TGAGGTACCAGCCAGATGTCTTCCCACAAAGGATCTGTGGTGGCACAGGGGAATGGGGCT
CCTGCCAGTAACAGGGAAGCTGACACGGTGGAACTGGCTGAACTGGGACCCCTGCTAGAA
GAGAAGGGCAAACGGGTAATCGCCAACCCACCCAAAGCTGAAGAAGAGCAAACATGCCCA
GTGCCCCAGGAAGAAGAGGAGGAGGTGCGGGTACTGACACTTCCCCTGCAAGCCCACCAC
GCCATGGAGAAGATGGAAGAGTTTGTGTACAAGGTCTGGGAGGGACGTTGGAGGGTCATC
CCATATGATGTGCTCCCTGACTGGCTAAAGGACAACGACTATCTGCTACCATGGTCATAG
ACCTCCCATGCCCCTCCTTTTCGGCTTGCTTCAAGAGCATCTTCCGCATTCATACAGAAA
CTGGCAACATCTGGACCCATCTGCTTGCTTTCGTGCTGCTTCTCTTTTTGGGAATCTTGA
CCCTGCTCAGACCAAAAATGTACTTTCTGGCCCCTCTCCCAGAGAACCCGGCTCTTGCGA
CGTTCTTTTTGGGGCAAAGCTTTGCCTCACTTTTCCTGGCTCTTCACCCGTCTATGGTCA
TTCAAAAAAGCTCTTTGGACTTTTCCCAAACTGGACTTTCAAGGGATCGCCCTTCTAAAT
ATGGGGAACCTTGGCCCCTGGCCCTCATATTTCCTTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015999 unedited
TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTCTTCTGTACTT
TCTTTTATTAACATCATAGTCTTTGCATCAAGATACATAGCAATGATAGCAGGTTTCTTT
TTAAAGCTTAGTATTAAATATTAAATATCTTTCCCCATTTAAATTTTACATTACTCTGCC
AAGAAAAAAAAAAAAATTAAAACTCAAGTTACTTGAAGCCTGGACACACTTCCATGATTAG
CCGGGCTAGGTAAAAGTTGGGGGCTTTATTCTTCCTGCTCTATAAGCAGATCCAGGCCCT
AGAAAGATGGGACCAGGGTATATAATTGTTTTTGAAAAGTGTGCTACAAAAATGGATGGC
CTGTTATAAGCCAGGATACAAAGTTAAGGATAGGGGTAAGGGAGGGACATTTTCTTCCAG
AAGAAAAGACAGAATTTCTGAAGAGTCCCAGTCCATAATTTTCCCAAAATGGTTGGAGGA
GAGGGTAAAATCTCAACATGAGTTTCAAAGTACTGTCTCTGTGAGGGGCCGGTAGATGCC
TTGCTGAGGAGGGGATGGCTAAGTTTGACCATGCCCCATCCCCAGCTAGGAGAATGGAAA
TGGAAAGTTTATTGCCCAGTGGGTGTGAAAGTGGGCTGAAGCTTGGTTGGTACTGAATTC
TCTAAGAGGTTTCTTCTAGAAACAGACAACTCAGACTCTTCCTCTCACTTCAGCANAGAA
GNTATTTTTAAAAGCACTTGGGAAGTTCCTCCTCCACCCCGCAGGTGGGAAGGCTCANAG
AAGGGTGTCATCAGTACAGCCGNCCTCCTAGGCCCGTACGGAATTCCTCGAANTGGNAGA
CTNCATAGAAGTGGACAAAGGCTGCTGCCACCACCAGNACTGGNAAATCTGATGAGACTG
GGAACATATGTCCAATTTTCAGGAANGAACGCTCAGGATTCNAGCACATAAAGGCCGCTC
AGTGATGACATCCAGCCATGAGGAGAACCGCCCTT

Restriction Sites: NotI-NotI

ACCN: NM_015999

Insert Size: 2000 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_015999.2, NP_057083.2
RefSeq Size:	2108 bp
RefSeq ORF:	1128 bp
Locus ID:	51094
UniProt ID:	Q96A54
Cytogenetics:	1q32.1
Domains:	UPF0073
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]
Transcript Variant: This variant (1, also known as R1T1) is a predominant transcript. 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.