

Product datasheet for TP303907M

OriGene Technologies, Inc.

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Adiponectin Receptor 1 (ADIPOR1) (NM_015999) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human adiponectin receptor 1 (ADIPOR1), transcript variant 1, 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC203907 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSSHKGSVVAQGNGAPASNREADTVELAELGPLLEEKGKRVIANPPKAEEEQTCPVPQEEEEEVRVLTLP LQAHHAMEKMEEFVYKVWEGRWRVIPYDVLPDWLKDNDYLLHGHRPPMPSFRACFKSIFRIHTETGNIWT HLLGFVLFLFLGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLSFSWLFHTVYCHSEKVSRTFSKLDYS GIALLIMGSFVPWLYYSFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVV PTMHFTIAEGFVKATTVGQMGWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAAAFV

HFYGVSNLQEFRYGLEGGCTDDTLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: <u>NP 057083</u>

Locus ID: 51094





UniProt ID: Q96A54

RefSeq Size: 2184
Cytogenetics: 1q32.1
RefSeq ORF: 1125

Synonyms: ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A

Summary: This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by

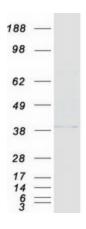
adipocytes which regulates fatty acid catabolism and glucose levels. Binding of adiponectin to the encoded protein results in activation of an AMP-activated kinase signaling pathway which affects levels of fatty acid oxidation and insulin sensitivity. A pseudogene of this gene is located on chromosome 14. Multiple alternatively spliced transcript variants have been found

for this gene. [provided by RefSeq, Mar 2014]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Adipocytokine signaling pathway

Product images:



Coomassie blue staining of purified ADIPOR1 protein (Cat# [TP303907]). The protein was produced from HEK293T cells transfected with ADIPOR1 cDNA clone (Cat# [RC203907]) using MegaTran 2.0 (Cat# [TT210002]).