

Product datasheet for **TP303907**

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203907 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSSHKGSVVAQGNGAPASNREADTVELAEGLPLEEKGKRVIANPPKAEETCPVPQEEEEVRLTLPLQAHHAMEKMEEFVYKVVWEGRWVIPYDVLDPDWLKDNDYLLHGHRRPMPFRACFKSIFRIHTETGNIW T HLLGFVLFVFLGILTMLRPNMYFMAPLQEKVVFVGMFFLGAVLCLSFVSWLFHTVYCHSEKVSRTFSKLDYS GIALLIMGSFVPWLYYSFYCSPQPRLIYLSIVCVLGISAIIVAWDRFATPKHRQTRAGVFLGLGLSGV PTMHFTIAEGFVKATTVGQMGWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVAAAFV HFYGVSNLQEFVRYGLEGGCTDDTLL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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>



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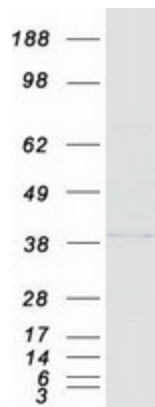
Locus ID: 51094
UniProt ID: [Q96A54](#)
RefSeq Size: 2184
Cytogenetics: 1q32.1
RefSeq ORF: 1125
Synonyms: ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A

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]).