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# Product Information

## MemDX™ Membrane Protein Human ADIPOR1 (Adiponectin receptor 1) for Antibody Discovery

Cat. No.: **MP0624J**
This product is for research use only and is not intended for diagnostic use.

This product is a 42.4 kDa Human ADIPOR1 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

## Product Specifications

**Host Species**
Human

**Target Protein**
ADIPOR1

**Protein Length**
Full-length

**Protein Class**
Druggable Genome, Transmembrane

**Molecular Weight**
42.4 kDa

**TMD**
7

**Sequence**
MSSHKGSVVAQGNGAPASNREADTVELAELGPLLEEKGKRVIANPPKAEEEQTCPVPQEEEEEVRVLTLP
LQAHHAMEKMEEFVYKVWEGRWRVIPYDVLPDWLKDNDYLLHGHRPPMPSFRACFKSIFRIHTETGNIWT
HLLGFVLFLFLGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLSFSWLFHTVYCHSEKVSRTFSKLDYS
GIALLIMGSFVPWLYYSFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVV
PTMHFTIAEGFVKATTVGQMGWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAAAFV
HFYGVSNLQEFRYGLEGGCTDDTLL

## Product Description

**Expression Systems**
HEK293T

**Tag**
C-Myc/DDK

**Form**

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

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

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

## Target

**Target Protein**

ADIPOR1

**Full Name**

Adiponectin receptor 1

**Introduction**

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.

**Alternative Names**

ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A

**Gene ID**

51094

**UniProt ID**

Q96A54

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