

Product Information

MemDX™ Membrane Protein Human ADIPOR1 (Adiponectin receptor 1) Full Length

Cat. No.: **MPC1145K**

This product is for research use only and is not intended for diagnostic use.

This product is a 42.6 kDa Human ADIPOR1 membrane protein expressed in Baculovirus/Insect expression system. 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

Receptor

Molecular Weight

42.6 kDa

TMD

7

Sequence

MSSHKGSVVAQGNGAPASNREADTVELAEGLPLEEKGKRVIANPPKAE
EQTCPVPQEEEEVRVLTPLQAHAMEKMEEFVYKVVWEGRWVIPYDVL
PDWLKDNDYLLHGRPPMPSFRACFKSIFRIHTETGNIWTHLLGFVLF
LGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLFSWLFHTVYCHSEK
SRTFSKLDYSGIALLIMGSFVPWLYYSFYCSPQPRLIYLSIVCVLGISAI
IVAQWDRFATPKHRQTRAGVFLGLGLSGVPTMHFTIAEGFVKATTVGQM
GWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAADFV
HFYGVSNLQEFYRGLEGGCTDDTLL

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

ADIPOR1; CGI45; PAQR1; ACDCR1; CGI-45; TESBP1A; adiponectin receptor protein 1; progestin and adipoQ receptor family member 1; progestin and adipoQ receptor family member I; Adiponectin receptor 1

Gene ID

[51094](#)

UniProt ID

[Q96A54](#)