

Product Information

MemDX™ Membrane Protein Human ADIPOR1 (Adiponectin receptor 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX0978K**

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

This product is a Human ADIPOR1 membrane protein expressed *in vitro* *E.coli* 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

62.6kDa

TMD

7

Sequence

MSSHKGSVVAQGNGAPASNREADTVLAEELGPLLEEKGKRVIANPPKAEEEQTCVPVQEEEEEEVRVLTPLQAHAMEKMEEFVY

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis and SUMO tag at the N-terminus, Myc tag at the C-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>85% as determined by SDS-PAGE.

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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](#)