

Recombinant Human ADIPOR1, His-tagged, MBP tagged

Cat. No. ADIPOR1-3199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Adiponectin Receptor 1 (ADIPOR1)
Species	Human
Source	E.coli
ProteinLength	375
Description	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.
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	62.1kDa
Endotoxin	<1.0eu per 1ug (determined by the lal</1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ADIPOR1 recombinant protein may occasionally become entrapped

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in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name

[ADIPOR1 adiponectin receptor 1 \[Homo sapiens \]](#)

Official Symbol

ADIPOR1

Synonyms

ADIPOR1; adiponectin receptor 1; adiponectin receptor protein 1; ACDCR1; PAQR1; progestin and adipoQ receptor family member I; CGI45; CGI-45; TESBP1A; FLJ25385; FLJ42464;

Gene ID

[51094](#)

mRNA Refseq

[NM_015999](#)

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Protein Refseq	NP_057083
MIM	607945
UniProt ID	Q96A54
Chromosome Location	1q32.1
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;
Function	hormone binding; identical protein binding; protein heterodimerization activity; protein kinase binding; receptor activity;

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