

Recombinant Human ADIPOR2, His-tagged, GST-tagged

Cat. No. ADIPOR2-3200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Adiponectin Receptor 2 (ADIPOR2)
Species	Human
Source	E.coli
ProteinLength	386
Description	The adiponectin receptors, ADIPOR1 (MIM 607945) and ADIPOR2, serve as receptors for globular and full-length adiponectin (MIM 605441) and mediate increased AMPK (see MIM 602739) and PPAR-alpha (PPARA; MIM 170998) ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin.
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	49.8kDa
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 ADIPOR2 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly

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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, pH 7.2-pH 7.4.

Warning

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

GENE INFORMATION

Gene Name [ADIPOR2 adiponectin receptor 2 \[Homo sapiens \]](#)

Official Symbol ADIPOR2

Synonyms ADIPOR2; adiponectin receptor 2; adiponectin receptor protein 2; ACDCR2; PAQR2; progestin and adipoQ receptor family member II; MGC4640; FLJ21432;

Gene ID [79602](#)

mRNA Refseq [NM_024551](#)

Protein Refseq [NP_078827](#)

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MIM	607946
UniProt ID	Q86V24
Chromosome Location	12p13
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;
Function	hormone binding; identical protein binding; protein heterodimerization activity; receptor activity;

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