

Recombinant Human ADIPOR1 protein, His & GST-tagged

Cat. No. ADIPOR1-609H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADIPOR1 aa. (Met1~Gly136 (Accession # Q96A54)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Gly136
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. Multiple alternatively spliced transcript variants have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.8.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ADIPOR1 adiponectin receptor 1 [Homo sapiens (human)]
Official Symbol	ADIPOR1
Synonyms	ADIPOR1; adiponectin receptor 1; CGI45; PAQR1; ACDCR1; CGI-45; TESBP1A; adiponectin receptor protein 1; progestin and adipoQ receptor family member I
Gene ID	51094
mRNA Refseq	NM_001290553.1
Protein Refseq	NP_001277482.1
UniProt ID	Q96A54

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SDS-PAGE

