

Recombinant Mouse Adipor1 Protein, His&MBP-tagged

Cat. No. Adipor1-84M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Adipor1 Protein (Met1-Gly136) with N-His&MBP tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gly136
Description	This gene encodes a receptor for the fat-derived hormone adiponectin. 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. Homozygous knockout mice for this gene exhibit elevated plasma glucose and insulin levels as well as impaired glucose tolerance. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 65.4 kDa Accurate Molecular Mass: 65 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

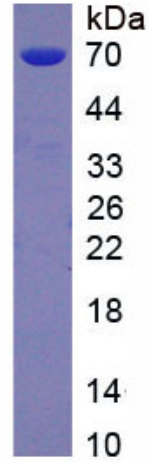
GENE INFORMATION

Gene Name	Adipor1 adiponectin receptor 1 [Mus musculus (house mouse)]
Official Symbol	Adipor1
Synonyms	ADIPOR1; adiponectin receptor 1; adiponectin receptor protein 1; progestin and adipoQ receptor family member I; Paqr1; ACDCR1; CGI-45; 2810031L11Rik
Gene ID	72674
mRNA Refseq	NM_028320
Protein Refseq	NP_082596
UniProt ID	Q91VH1

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