

Recombinant Mouse Adipoq Protein, His-tagged

Cat. No. Adipoq-81M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Adipoq Protein (Asp19-Asn247+LEHHHHHH) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asp19-Asn247+LEHHHHHH
Description	Enables hormone activity and identical protein binding activity. Involved in several processes, including detection of oxidative stress; negative regulation of cold-induced thermogenesis; and regulation of protein serine/threonine kinase activity. Acts upstream of or within with a positive effect on gene expression. Acts upstream of or within several processes, including brown fat cell differentiation; negative regulation of gluconeogenesis; and positive regulation of glucose import. Located in endoplasmic reticulum and extracellular space. Is expressed in several structures, including adipose tissue; axial musculature; gut; male reproductive gland or organ; and serum. Human ortholog(s) of this gene implicated in several diseases, including carcinoma (multiple); cardiovascular system disease (multiple); non-alcoholic fatty liver disease; primary open angle glaucoma; and type 2 diabetes mellitus. Orthologous to human ADIPOQ (adiponectin, C1Q and collagen domain containing).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.6 kDa

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	Accurate Molecular Mass: 35 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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	Adipoq adiponectin, C1Q and collagen domain containing [Mus musculus (house mouse)]
Official Symbol	Adipoq
Synonyms	ADIPOQ; adiponectin, C1Q and collagen domain containing; adiponectin; adipocyte-specific protein AdipoQ; adipocyte complement related protein; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipocyte, C1Q and collagen domain containing; adipocyte, C1q and collagen domain-containing protein; APN; Acdc; apM1; 30kDa; GBP28; adipo; Acrp30

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Gene ID	11450
mRNA Refseq	NM_009605
Protein Refseq	NP_033735
UniProt ID	Q60994

