Recombinant Rat Adipoq Protein, His&SUMO-tagged

Cat. No. Adipoq-82R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Adipoq Protein (Ile19-Asn244) with N-His&SUMO tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile19-Asn244
Description	Enables identical protein binding activity. Involved in several processes, including cellular response to organonitrogen compound; positive regulation of glycogen (starch) synthase activity; and positive regulation of protein phosphorylation. Located in extracellular space. Part of protein-containing complex. Used to study brain infarction. Biomarker of several diseases, including end stage renal disease; fatty liver disease (multiple); glucose metabolism disease (multiple); hyperthyroidism; and obesity. 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: 38.1 kDa Accurate Molecular Mass: 37 kDa

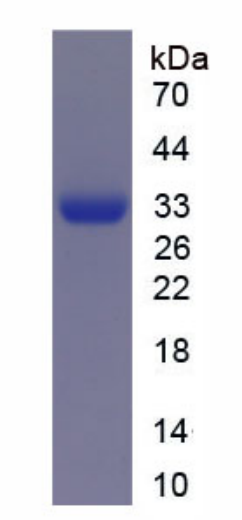
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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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	100mM NaHCO3, 500mM NaCl, pH8.3, 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 [Rattus norvegicus (Norway rat)]
Official Symbol	Adipoq
Synonyms	ADIPOQ; adiponectin, C1Q and collagen domain containing; adiponectin; adipocyte complement related protein of 30 kDa; Acdc; Acrp30
Gene ID	246253
mRNA Refseq	NM_144744

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Protein Refseq	NP_653345
UniProt ID	A0A0G2K845
	

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