Recombinant Mouse Adiponectin Protein, His/S-tagged

Cat. No. Adipoq-13M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Source	E.coli
Description	A protein hormone produced and secreted exclusively by adipocytes (fat cells) that regulates the metabolism of lipids and glucose. Adiponectin influences the body's response to insulin. Adiponectin also has antiinflammatory effects on the cells lining the walls of blood vessels. High blood levels of adiponectin are associated with a reduced risk of heart attack. Low levels of adiponectin are found in people who are obese (and who are at increased risk of a heart attack). Adipocytes produce and secrete a number of proteins, including leptin, adipsin, properdin, and tumor necrosis factor (TNF). An adipose tissue-specific factor was isolated and termed APM1 (AdiPose Most abundant gene transcript 1). The protein product of APM1 is adiponectin. The APM1 gene maps to chromosome 3q27.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	>95% by SDS-PAGE
Storage	Store at -70 centigrade or below. Avoid freeze/thaw.

GENE INFORMATION

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Gene Name	Adipoq adiponectin, C1Q and collagen domain containing [Mus musculus]
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;
Gene ID	11450
mRNA Refseq	NM_009605
Protein Refseq	NP_033735
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Leptin and adiponectin, organism-specific biosystem; PPAR (Peroxisome proliferator-activated receptor) signaling pathway, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem;
Function	eukaryotic cell surface binding; hormone activity; hormone activity; hormone activity; protein binding; protein homodimerization activity; receptor binding; sialic acid binding;

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