Active Recombinant Mouse Adipoq, FLAG-tagged

Cat. No. Adipoq-79M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse adiponectin (aa 18-247) is fused at the N-terminus to a FLAG-tag.
Species	Mouse
Source	HEK293
ProteinLength	18-247 a.a.
Description	ACRP30 was identified as a novel adipocyte-specific synthesized and secreted protein with structural resemblance to complement factor C1q. Like adipsin, ACRP30 secretion is induced ~10-fold during adipocyte differentiation. Plasma levels are reduced in obese humans and low levels are associated with insulin-resistance. Treatment of db/db mice with TZD increased ACRP30 levels.
Form	Liquid. 0.2μm-filtered solution in PBS.
Bio-activity	Induces the phosphorylation of acetyl-CoA carboxylase (ACC) in C2C12 cells.
Molecular Mass	~30kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare

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	aliquots and store at -20°C. Avoid freeze/thaw cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

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

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	binding;

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