

Recombinant Mouse Adipoq Protein

Cat. No. Adipoq-7149M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse globular domain of adiponectin/acrp30 (amino acid residues, 111-247, gAcrp30) protein without tag was overexpressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	111-247
Description	Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.
Form	Liquid
Molecular Mass	16 kDa
AA Sequence	MAYMYRSAFSVGLQTRVTPNVPIRFTKIFYNQNHYDGSTGKFYCNIPGLYYFSYHI

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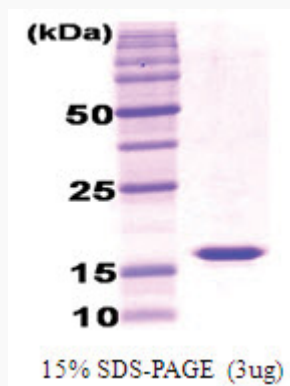
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	TVYMKDVKVSLFKKDKAVLFTYDQYQEKNVNQASGSVLLHLEVGDQVWLQVYGDG DHNGLYADNVNDSTFTGFLLYHDTN
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store (in aliquots) at -20 centigrade. Avoid repeated freezing and thawing.
Concentration	1.0 mg/mL
Storage Buffer	20 mM Tris-HCl pH 7.5, 50 mM NaCl, 5 mM DTT, 10 % Glycerol
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; a; Ad; ap; APN; Acd; Acr; Acdc; Adid; GBP2; adip; apM1; 30kDa; GBP28; adipo; Acrp30; adiponectin; 30 kDa adipocyte complement-related protein; adipocyte complement related protein; adipocyte complement-related 30 kDa protein; adipocyte, C1Q and collagen domain containing; adipocyte, C1q and collagen domain-containing protein; adipocyte-specific protein AdipoQ; adiponectin d
Gene ID	11450
mRNA Refseq	NM_009605

Protein Refseq NP_033735

UniProt ID Q60994

SDS-PAGE



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