

# Recombinant Mouse Adipoq Protein

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	111-247
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	16 kDa
<b>AA Sequence</b>	MAYMYRSAFSVGLRVTVPNVPIRFTKIFYNQNHYDGSTGKFCYCNIPGLYYFSYHI

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TVYMKDVKVSFLFKKDKAVLFTYDQYQEKNVDQASGSVLLHLEVGDQVWLQVYGDG  
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

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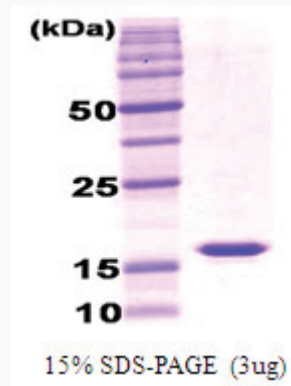
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**Protein Refseq** NP\_033735

**UniProt ID** Q60994

**SDS-PAGE**



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