

Recombinant Mouse Adipoq Protein, His-tagged

Cat. No. Adipoq-7153M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse adiponectin, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	18-247
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	27 kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMEDDVTTEELAPALVPPPKGTCAGWMAGIPGHP GHNGTPGRDGRDGTGPGEKGEKGDAGLLGPKGETGDVGMTGAEGPRGFPGTPGR

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KGEPGEAAYVYRSAFVSVGLETRVTVPNVPIRFTKIFYNQNNHYDGGSTGKFYCNIPGL
 YYFSYHITVYMKDVKVSLFKKDKAVLFTYDQYQEKNDQASGSVLLHLEVGDQVWL
 QVYGDGDHNGLYADNVNDSTFTGFLLYHDTN

Purity > 90 % > / = 90% by SDS-PAGE

Stability Shelf life: one year from despatch.

Storage Store at -20 centigrade. Avoid repeated freezing and thawing.

Concentration 1.0 mg/mL

Storage Buffer 20 mM Tris pH 8.0, 1 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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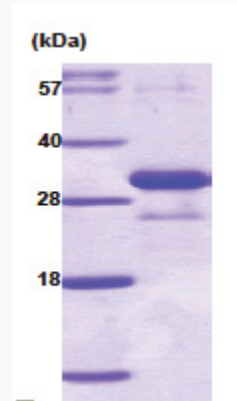
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Protein Refseq NP_033735

UniProt ID Q60994

SDS-PAGE



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