

Product datasheet for **AR09000PU-S**

Adiponectin (18-247) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Adiponectin (18-247) mouse recombinant protein, 0.1 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MEDDVTTTEE LAPALVPPPK GTCAGWMAGI PGHPGHNGTP GRDGRDGTGP EKGEKGDAGL LGPKGETGDV GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQQNHY DGSTGKFYCN IPGLYYFSYH ITVYMKDVKV SLFKKDKAVL FTYDQYQEKV VDAQASGSVLL HLEVGDQVWL QVYGDGDHNG LYADNVNDST FTGFLLYHDT N
Predicted MW:	27 kDa
Concentration:	lot specific
Purity:	>90% > / = 90% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid Buffer System: 20 mM Tris pH 8.0, 1 mM DTT, 10% Glycerol
Preparation:	Liquid
Protein Description:	Recombinant mouse adiponectin, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_033735
Locus ID:	11450
UniProt ID:	Q60994
Cytogenetics:	16 13.96 cM
Synonyms:	ADIPOQ, ACDC, ACRP30, APM1, GBP28



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Summary:

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.[UniProtKB/Swiss-Prot Function]

Product images: