

## Product datasheet for SA6051X

### Adiponectin (111-247) Mouse Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Adiponectin (111-247) mouse recombinant protein, 0.5 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAYMYRSAFS VGLETRVTV NVPIRFTKIF YNQQNHVDGS TGKFYCNIPG LYYFSYHITV YMKDVKVSLF KKDKAVLFTY DQYQEKVDQ ASGSVLLHLE VGDQVWLQVY GDGDHNGLYA DNVNDSTFTG FLLYHDTN
Predicted MW:	16 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid Buffer System: 20 mM Tris-HCl pH 7.5, 50 mM NaCl, 5 mM DTT, 10% Glycerol
Preparation:	Liquid
Protein Description:	Recombinant Adipocyte complement-related Protein (Mouse): The globular domain of adiponectin/acrp30 (amino acid residues, 111-247, gAcrp30) was overexpressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store (in aliquots) at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_033735</a>
Locus ID:	11450
UniProt ID:	<a href="#">Q60994</a>
Cytogenetics:	16 13.96 cM
Synonyms:	30kDa; Acdc; Acrp30; Ad; adipo; apM1; APN; 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:**