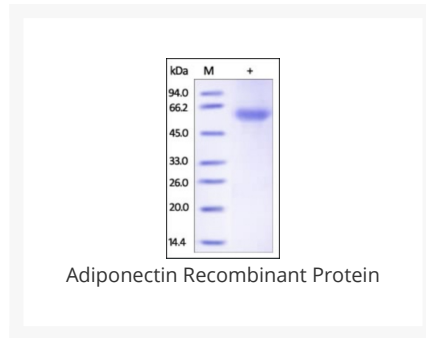




Adiponectin Recombinant Protein

Cat. No.: 96-015



Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Glu 19 - Asn 244
FUSION TAG:	C-Fc Tag
TESTED APPLICATIONS:	WB
APPLICATIONS:	This recombinant protein can be used for WB. For research use only.
PREDICTED MOLECULAR WEIGHT:	50.2 kDa

Ψ Properties

PURITY:	>92% as determined by SDS-PAGE.
PHYSICAL STATE:	Lyophilized
BUFFER:	50 mM tris, 100 mM glycine, pH7.5
STORAGE CONDITIONS:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

OFFICIAL SYMBOL:	ADIPOQ
ALTERNATE NAMES:	ADIPOQ, Adiponectin, ACDC, ACRP30, APM1, GBP28
ACCESSION NO.:	NP_001171271
GENE ID:	9370

 Background and References

BACKGROUND:	Adiponectin is also referred to as GBP-28, APM1, ADIPOQ, ACDC and Acrp30, is a secreted protein which contains one C1q domain (commonly called the globular domain) and onecollagen-like domain. Adiponectin / ADIPOQ is synthesized exclusively by adipocytes and secreted into plasma. ADIPOQ is important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Adiponectin antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Acrp30 Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway and 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.
REFERENCES:	1) Nakano Y., et al., 1996, J. Biochem. 120:803-812.
	2) Yamauchi T., et al., 2001, Nat. Med. 7:941-946.
	3) Richards A.A., et al., 2006, Mol. Endocrinol. 20:1673-1687.

ANTIBODIES FOR RESEARCH USE ONLY.

For additional information, visit ProSci's [Terms & Conditions Page](#).