

Mouse Adiponectin - Purified

Alternate names:	30 kDa adipocyte complement-related protein, ACDC, ACRP30, ADIPOQ, APM1, Adipocyte, Adipocyte complement-related 30 kDa protein, Adipose most abundant gene transcript 1 protein, C1q and collagen domain-containing protein, GBP28, Gelatin-binding protein
Catalog No.:	PA226X
Quantity:	25 µg
Background:	gAcrp30 is a naturally occurring globular protein, obtained by proteolytic processing of adiponectin. Adiponectin is produced and secreted exclusively by adipocytes, and is a relatively abundant plasma protein, accounting for up to 0.05% of total serum protein. Like Adiponectin, gAcrp30 is capable of decreasing hyperglycemia and reversing insulin resistance. Additionally, gAcrp30 has been shown to be an important factor in promoting fat loss by signaling muscle to absorb and burn Free-Fatty Acids (FFAs). The signaling receptors for adiponectin and gAcrp30 have recently been identified and names AdipoR1 and AdipoR2. AdipoR2 is predominantly expressed in the liver.
Uniprot ID:	Q60994
NCBI:	NP_033735.3
GenID:	11450
Species:	Mouse
Source:	E. coli
Format:	State: Lyophilized (0.2µ sterile filtered) purified protein Purity: >98% pure by SDS-PAGE and HPLC analyses Buffer System: 5mM Sodium Phosphate, pH 7.5 Endotoxin Level: < 0.1 ng per µg (1EU/µg) Reconstitution: Restore in water to a concentration of 0.1-1.0 mg/ml. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Description:	Recombinant Murine gAcrp30 is a 16.6 kDa protein consisting of 145 amino acid residues. AA Sequence: MKGEPGEAAY MYRSAFSVGL ETRVTPNPV IRFTKIFYNQ QNHYDGSTGK FYCNIPLGLY FSYHITVYMK DVKVSLFKKD KAVLF ^T YDQY QEKNVDQASG SVLLHLEVGD QVWLQVYGDG DHNGLYADNV NDSTFTGFL YHDTN Biological Activity: Determined by its ability to inhibit the proliferation of murine myeloid cell lines M1. The ED50 for this effect is ≤ 15 µg/ml. Molecular weight: 16.6 kDa (145 amino acids)
Add. Information:	Centrifuge the vial prior to opening!

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.