

## gAcrp30 Mouse

**Description:** The globular domain of Adiponectin Mouse Recombinant / Acrp30 Mouse contains 138 amino acid residues from a.a. 111-247 having molecular mass of 16 kDa was over expressed in E.coli and purified by using conventional chromatography techniques.

**Catalog #:** CYPs-439

For research use only.

**Synonyms:** Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

**Source:** Escherichia Coli.

**Amino Acid Sequence:** MAYMYRSAFS VGLETRVTVP NVPIRFTKIF YNQQNHVDGS  
TGKFYCNIPG LYYFSYHITVYMKDVKVSFLF KKDKAVLFTY DQYQEKVNDQ ASGSVLLHLE  
VGQVWLQVY GDGDHNGLYADNVNDSTFTG FLLYHDTN.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

Acrp30 Mouse (1mg/ml) solution containing 20mM Tris-HCl pH7.5, 50mM NaCl, 5mM DTT and 10% Glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Adiponectin (247 amino acids) is adipocyte complement-related protein of 30 kDa and exclusively expressed in differentiated adipocytes. APM-1 (Acrp30 Mouse) is a member of the complement factor C1q family and consists of signal sequence, Non-homologous sequence, collagen domain and domain (gAcrp30). Adiponectin expression is reduced in a variety of obese and insulin-resistant states in human, monkeys and mice. Injection of Acrp30 Mouse (247aa) or gAcrp30 (globular domain) lowers serum glucose and free fatty acid level in mice.

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