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Adiponectin, globular, mouse recombinant (rmAcrp30)

Catalog No: 86428
Lot No: XXXXX
Source: *E. coli*
Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Background

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.

Description

The globular domain of Adiponectin mouse recombinant / Acrp30 mouse contains 138 amino acid residues (111-247) having a molecular mass of 16 kDa. The protein was overexpressed in *E. coli* and purified by conventional chromatography techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

Acrp30 mouse (1 mg/ml) solution containing 20 mM Tris-HCl pH 7.5, 50 mM NaCl, 5 mM 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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MAYMYRSAFS VGLETRVTVP NVPIRFTKIF YNQQNHYDGS TGKFYCNIPG LYYFSYHITV YMKDVKVSLF KKDKAVLFTY
DQYQEKNVQDQ ASGSVLLHLE VGDQVWLQVY GDGDHNGLYA DNVNDSTFTG FLLYHDTN

Usage

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