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Certificate of Analysis and Data Sheet Recombinant Mouse Adiponectin Globular

Catalog No.
228-10509

Source:
E.Coli

Introduction

Adiponectin / Acrp30 (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 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.

Synonyms

Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Formulation

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

Stability

Liquid Acrp30 Mouse, although stable 4°C for 1 week, should be stored desiccated below -18°C.
Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Sequence

MAYMYRSAFS VGLETRVTVP NVPIRFTKIF YNQQNHYDGS TGKFYCNIPG
LYYFSYHITVYMKDVKVSLE KKDKAFLFTY DQYQEKVDQ ASGSVLLHLE
VGDQVWLQVY GDGDHNGLYADNVNDSTFTG FLLYHDTN.

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