

Globular Adiponectin Mouse Recombinant

Catalogue Number	IY-432
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.
Introduction	<p>Adiponectin (247amino 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).</p> <p>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.</p>
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
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.
Source	Escherichia Coli.
Physical Appearance	Sterile filtered colorless solution.
Formulation	Acrp30 Mouse (1mg/ml) solution containing 20mM Tris-HCl pH7.5, 50mM NaCl, 5mM DTT and 10% Glycerol.
Stability	<p>Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.</p> <p>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).</p> <p>Avoid multiple freeze-thaw cycles.</p>
Purity	Greater than 95.0% as determined by SDS-PAGE.
Amino Acid Sequence	<p>MAYMYRSAFS VGLETRVTV NPVPIRFTKIF YNQQNHVDGS TGKFYCNIPG</p> <p>LYYFSYHITVYMKDVKVSLF KKDKAVLFTY DQYQEKVDQ ASGSVLLHLE</p> <p>VGDQVWLQVY GDGDHNGLYADNVNDSTFTG FLLYHDTN.</p>
Usage	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.