



Product Datasheet

Product Name	Globular Adiponectin Mouse Recombinant
Cata No	CB500334
Source	<i>Escherichia Coli</i> .
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Description

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). 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.

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.

Purity

Acrp30 Mouse purity is greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

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

Stability

Liquid Acrp30 Mouse although stable at 14°C for 1 week, should be stored below -18°C.

Please prevent freeze-thaw cycles.

Sequence

MAYMYRSAFS VGLETRVTV NPVIRFTKIF
YNQQNHVDGS TGKFYCNIPG
LYYFSYHITVYMKDVKVSLF KKDKAVLFY
DQYQEKVDQ ASGSVLLHLE VGDQVWLQVY
GDGDHNGLYADNVNDSTFTG FLLYHDTN