



Adiponectin, His Tag, mouse recombinant (rmAcrp30-His)

Catalog No: 41024
Lot No: XXXXX
Source: *E. coli*
Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Background

Adiponectin is an adipocyte specific secreted protein that circulates in the plasma. It is induced during adipocyte differentiation and its secretion is stimulated by insulin. Mouse adiponectin shares about 83% amino acid identity with that human. Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Adiponectin is reduced in obese humans, and decreased level is associated with insulin resistance and hyperinsulinemia.

Description

Adiponectin mouse recombinant produced in *E. coli* is a 27 kDa protein containing 251 amino acid residues of Acrp30 mouse (18-247) and an N-terminal His tag.

Formulation

Acrp30 mouse is a sterile filtered liquid formulation containing 20 mM Tris pH 8, 1 mM DTT and 10% glycerol.

Stability

Store Acrp30 at -20°C. Can be stored at 4°C for a limited period of time of 7 days.

Purity

Greater than 90% as determined by SDS-PAGE analyzed.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MEDDVTTTEE LAPALVPPPK GTCAGWMAGI PGHPGHNGTP GRDGRDGTTPG EKGEKGDAGL
LGPKGETGDV GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQNHY DGSTGKFYCN
IPGLYYFSYH ITVYMKDKV SLFKKDKAVL FTYDQYQEKV VDQASGSVLL HLEVGDQVWL QVYGDGDHNG LYADNVNDST
FTGFLLYHDT N

Usage

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