
Product Data Sheet

Product Name: Acrp30 Mouse, His
 Cat. No.: GP20021
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Acrp30; AdipoQ; GBP-28; APM-1; ACDC.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEDDVTTEE LAPALVPPK GTCAGWMAGI PGHPGHNGTP GRDGRDGTGP EKGEKGDAGL LGPKGETGDV GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQNH DGSTGKFYCN IPGLYYFSYH ITVYMKDVKV SLFKKDKAVL FTYDQYQEK VDQASGSVLL HLEVGDQVWL QVYGDGDHNG LYADNVNDST FTGFLLYHDT N.		
Formulation	Acrp30 Mouse is a sterile filtered liquid formulation containing (1mg/ml) 20mM Tris-HClpH-8, 1mM DTT and 10% Glycerol.		

Introduction

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.

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.

Background

The Adiponectin Mouse is created as a recombinant protein with a 21 a.a N-terminal fusion of His Tag. The Adiponectin His-Tagged Fusion Protein, produced in E. coli, is a

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27.2kDa protein containing 251 amino acid residues of the Acrp30 Mouse, 18-247 amino acids.

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