

## Acrp30 Mouse, His

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

**Catalog #:** CYP5-544

For research use only.

**Synonyms:** Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

**Source:** Escherichia Coli.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEDDVTTEE LAPALVPPK  
GTCAGWMAGI PGHPGHNGTP GRDGRDGTGP EKGEKGDAGL LGPKGETGDV  
GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQNH  
DYGSTGKFCYN IPGLYYFSYH ITVYMKDVKV SLFKKDKAVL FTYDQYQEKV VDQASGSVLL  
HLEVGQVWL QVYGDGDHNG LY

**Purity:** Acrp30 Mouse purity is greater than 90% as determined by SDS-PAGE.

### Formulation:

Acrp30 Mouse is a sterile filtered liquid formulation containing (1mg/ml) 20mM Tris-HCl pH-8, 1mM DTT and 10% Glycerol.

### 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.

### Usage:

NeoBiolab's 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.

### 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.

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