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## Product Data Sheet

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Product Name: Acrp30 (108-244) Human  
 Cat. No.: GP20015  
 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 MAYVYRSAFS VGLETYVTIP NMPIRFTKIF YNQQNHVDGS TGKFHCNIPG LYYFAYHITV YMKDVKVSLF KKDKAMLFTY DQYQENNVLDQ ASGSVLLHLE VGDQVWLQVY GEGERNGLYA DNDNDSTFTG FLLYHDTN.		
Formulation	Acrp30 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

### 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

Acrp30 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 158 amino acids (108-244 a.a.) and having a molecular mass of 18.1kDa. Acrp30 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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