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## Product Data Sheet

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Product Name: Acrp30 Human, His  
 Cat. No.: GP20014  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Acrp30; AdipoQ; GBP-28; APM-1; ACDC.		
Amino Acid Sequence	MRGSHHHHHHGGSGHDQETTT QGPGVLLPLP KGA CTGWMAG IPGHPGHNGA PGRDGRDGTP GEKGEKGDGP LIGPKGDIGE TGVPGAEGPR GFPGIQGRKG EPGEGAYVYR SAFSVGLETY VTIPNMPPIRF TKIFYNQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVG DQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD TN.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.		
Formulation	Acrp30 Human was filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.02M Tris buffer pH7.5, 0.15M NaCl.		

### Introduction

Adiponectin, also referred to as Acrp30, AdipoQ and GBP-28, is a recently discovered 244 amino acid protein, the product of the apM1 gene, which is physiologically active and specifically and highly expressed in adipose cells (Adipokine). The protein belongs to the soluble defense collagen super family; it has a collagen-like domain structurally homologous with collagen VIII and X and complement factor C1q-like globular domain. APM-1 forms homotrimers, which are the building blocks for higher order complexes found circulating in serum.

### Stability

Store lyophilized Acrp30 Human at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted Acrp30 Human can be stored at

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

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4°C for a limited period of time; it does not show any change after two weeks at 4°C .

### Background

The Acrp30 Human is created as a recombinant protein with N-terminal fusion of His Tag. The Adiponectin His-Tagged Fusion Protein, produced in E. coli, is 26.4 kDa protein containing 230 amino acid residues of the Acrp30 Human and 12 additional amino acid residues - HisTag (underlined).

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