



## Adiponectin, His Tag, human recombinant (rHuAcrp30-His)

**Catalog No:** 87338  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Acrp30, AdipoQ, GBP-28, APM-1, ACDC

### Background

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.

### Description

Adiponectin human recombinant produced in *E. coli* is a 26.4 kDa protein containing 230 amino acid residues of Acrp30 human and 12 additional amino acid residues N-terminal His tag.

### Formulation

Acrp30 human was filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.02 M Tris buffer pH 7.5, 0.15 M NaCl.

### Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/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.

### Stability

Store lyophilized Acrp30 at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted Acrp30 Human can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

### Purity

Greater than 95% as determined by SDS-PAGE.

### Amino Acid Sequence

```
MRGSHHHHHH GSGHDQETTT QGPGVLLPLP KGA CTGWMAG IPGHPGHNGA PGRDGRDGTP GEKGEKGDGP LIGPKGDIGE  
TGVPGAEGPR GFPPIQGRKG EPGEGAYVYR SAFSVGLETY VTIPNMPIRF TKIFYNQNH YDGSTGKFHC NIPGLYYFAY  
HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVG DQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD  
TN
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### Applications

WB

### Usage

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