



## Product Datasheet

<b>Product Name</b>	Adiponectin Human Recombinant, His tag
<b>Cata No</b>	CB500335
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

### Description

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.

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).

MRGSHHHHHHGSGHDQETTT QGPGVLLPLP  
KGA CTGW MAG IPGHPGHNGA PGRDGRDGT  
GKGEKGD PG LIGPKGDIGE TGVPGAEGPR  
GFPGIQGRKG EPGE GAYVYR SAFSVGLETY  
VTIPNMP IRF TKIFYNQNH YDGSTGKFHC

NIPGLYYFAY HITVYMKDVK VSLFKKDKAM  
LFTYDQYQEN NVDQASGSVL LHLEVG DQVW  
LQVYGEGERN GLYADNDNDS TFTGFLLYHD TN

### Purity

Acrp30 Human purity is greater than 95% as determined by SDS-PAGE.

### Formulation

Acrp30 Human is a sterile filtered powder, lyophilized from 0.5 mg/ml in 0.02M Tris buffer pH7.5, 0.15M NaCl.

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

The lyophilized Acrp30 Human remains stable until the expiry date when stored at -20°C.

### Applications

Western blotting.