

**Adiponectin Human Recombinant, His tag**

Catalogue Number	IY-433
Synonyms	Acrp30, AdipoQ, GBP-28, APM-1, ACDC.
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.
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
Description	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).
Source	Escherichia Coli.
Physical Appearance	Filtered White lyophilized (freeze-dried) powder.
Formulation	Acrp30 Human was filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.02M Tris buffer pH7.5, 0.15M NaCl.
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.
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.
Purity	Acrp30 Human purity is greater than 95% as determined by SDS-PAGE.
Amino acid sequence	MRGSHHHHHHSGHGDQETTT QGPGVLLPLP KGACTGWMAG IPGHPGHNGA PGRDRDGTG GEKGEKGDGP LIGPKGDIGE TGVPGAEGPR GFPGIQGRKG EPGEGAYVYR SAFSVGLETY VTIPNMPPIRF TKIFYNQNH YDGSTGKFHC NIPGLYYFAY HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL LHLEVG DQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD TN.
Usage	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.