

## 32-1022: gAcrp30 Recombinant Protein

**Alternative Name :** Acrp30,AdipoQ,GBP-28,APM-1,ACDC.

### Description

Source : Escherichia Coli. gAcrp30 Human Recombinant produced in E.Coli is a homodimeric, non-glycosylated, Polypeptide chain containing 145 amino acids and having a molecular mass of 16.7kDa. The gAcrp30 is purified by proprietary chromatographic techniques. gAcrp30 globular protein, exists as a result of proteolytic processing of adiponectin. Adiponectin is manufactured and secreted solely by adipocytes, and is a highly obtained plasma protein, accounting for up to 0.05% of total serum protein. Similar to Adiponectin, gAcrp30 is able of lowering hyperglycemia and reversing insulin resistance. In addition, gAcrp30 is an significant protein that is involved in promoting fat loss by signaling muscle to absorb and burn Free-Fatty Acids. AdipoR1 & AdipoR2 are the 2 signaling receptors for adiponectin and gAcrp30 that were recently been identified.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	Sterile filtered and lyophilized from 1mg/ml in 10mM Tris pH-8 & 0.75mM DTT.
<b>Storage condition :</b>	For long term, store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time two weeks.
<b>Amino Acid :</b>	MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPGLYY FAYHITVYMK DVKVSFLFKD KAMLFTYDQY QENNVDAQSG SVLLHLEVGD QVWLQVYEGE ERNGLYADND NDSTFTGFLL YHDTN.

### Application Note

We recommended reconstituting gAcrp30 at a concentration of 0.1-1mg per ml with 5mM Tris pH-8 and 0.75mM DTT which can then be further diluted to other aqueous solutions. gAcrp30 activity is determined by its ability to inhibit the proliferation of mouse M1 cells. The expected ED50 for this effect is 0.36-0.54 µg/ml.