

gAcrp30 Human

Description: 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.

Catalog #: CYPs-622

For research use only.

Synonyms: Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Source: Escherichia Coli.

Amino Acid Sequence: MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ
QNHYDGSTGK FHCNIPGLYY FAYHITVYMK DVKVSFLFKD KAMLFTYDQY QENNVDQASG
SVLLHLEVGD QVWLQVYGE ERNGLYADND NDSTFTGFLL YHDTN.

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

Sterile filtered and lyophilized from 1mg/ml in 10mM Tris pH-8 & 0.75mM DTT.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

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.

Introduction:

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.

Biological Activity:

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 g/ml.

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