

Recombinant Human gAcrp30(apm-1) /Adipolean

Catalog No: CRA200A **Size:** 2 µg
CRA200B **Size:** 10 µg
CRA200C **Size:** 1 mg

Description : Human gAcrp30 (apm-1) also known as Adipolean is a 16.6 kDa protein that corresponds to the C-terminal globular domain of adiponectin (amp-1). gAcrp30/Adipolean is expressed and secreted exclusively by adipose tissue. This protein possesses unique pharmacological properties for regulation of body weight and lipid metabolism. It is a key component in controlling energy homeostasis. Recently, gAcrp30/Adipolean has been shown to inhibit the proliferation of myelomonocytic progenitors. Recombinant Human gAcrp30/Adipolean is a 16.6 kDa protein consisting of 145 amino acid residues.

Source : *E.coli*

Formulation : The sterile filtered solution was lyophilized from 10 mM Tris, pH 9.2 + 0.05% Sarcosyl + 0.75 mM DTT.

Stability : The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted gAcrp30/Adipolean should be stored in working aliquots at -20°C.

Purity : Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).

Reconstitution : We recommend a quick spin followed by reconstitution in water to a concentration of < 0.3 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

Biological Activity : Determined by its ability to inhibit the proliferation of mouse myeloid cell lines M1. The ED₅₀ for this effect is < 3 µg/ml, corresponding to a specific activity of 3.3 x 10⁵ units/mg.

AA Sequence : MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPGLYY
FAYHITVYMK DVKVSFLFKKD KAMLFTYDQY QENNVDAQSG SVLLHLEVGD QVWLQVYGE
ERNGLYADND NDSTFTGFL YHDTN

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