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Recombinant Human gAcrp30/Adipolean

Description: gAcrp30 is a naturally occurring globular protein, obtained by proteolytic processing of adiponectin. Adiponectin is produced and secreted exclusively by adipocytes, and is a relatively abundant plasma protein, accounting for up to 0.05% of total serum protein. Like Adiponectin, gAcrp30 is capable of decreasing hyperglycemia and reversing insulin resistance. Additionally, gAcrp30 has been shown to be an important factor in promoting fat loss by signaling muscle to absorb and burn Free-Fatty Acids (FFAs). The signaling receptors for adiponectin and gAcrp30 have recently been identified and names AdipoR1 and AdipoR2. AdipoR2 is predominantly expressed in the liver. Recombinant human gAcrp30/Adipolean is a 16.6 kDa protein consisting of 145 amino acid residues.

Source:	E. coli
Molecular Weight:	16.6 kDa
Purity:	> 98% by SDS-PAGE and HPLC analysis
Endotoxin level:	< 2 EU per µg of gAcrp30
Stabilizer:	none
Buffer:	10mM sodium phosphate, pH9, 25mM DTT
Formulation:	lyophilized

Biological Activity: Determined by its ability to inhibit the proliferation of murine 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.

Reconstitution: The human gAcrp30 should be reconstituted in water to a concentration of 0.1-0.5 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.

Stability: The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted human gAcrp30 should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Human gAcrp30 offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-174

Size: 25 µg

****please note: always centrifuge product before opening Vial.****