

## 32-20127: Recombinant Human gAcrp30/Adipolean(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** APM-1, Adipolean (human), gad, globular domain of Acrp30

### Description

**Source:** **E.coli**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 named 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.

### Product Info

**Amount :** 5 µg / 25 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPGLYY FAYHITVYMK  
DVKVSLFKKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYEG ERNGLYADND  
NDSTFTGFLL YHDTN

### Application Note

Determined by its ability to inhibit the proliferation of murine M1 cells. The expected  $ED_{50}$  for this effect is 1.0-3.0 µg/ml.