

## 32-20129: Recombinant Human gAcrp30/Adipolean Variant(Discontinued)

**Reactivity :** Mouse, Rat  
**Alternative Name :** APM-1 variant

### Description

**Source:** **E.coli** The gAcrp30 variant 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, Acrp30 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. This naturally occurring variant of human gAcrp30/Adipolean is an 18.1 kDa protein, containing 14 extra amino acids extra at the N-terminus of human gAcrp30/Adipolean.

### 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 :** PGAEGPRGFP GIQGRKGEPEG EGAYVYRSFA SVGLETYVTI PNMPIRFTKI FYNQQNHYDG STGKFHCNIP  
GLYFAYHIT VYMKDVKVSL FKKDKAMLFT YDQYQENNVD QASGSVLLHL EVGDQVWLQV  
YGEGERNGLY ADNDNDSTFT GFLLYHDTN

### Application Note

Determined by a cytotoxicity assay using M1 cells. The expected  $ED_{50}$  for this effect is 0.5-1.0 µg/ml.