

**Recombinant Human gAcrp30/Adipolean**  
**Catalog # PBG10122****Specification**

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**Recombinant Human gAcrp30/Adipolean - Product Information****Recombinant Human gAcrp30/Adipolean - Additional Information****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.

**BiologicalActivity**

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

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is  $<0.1$  ng/  $\mu$ g of protein ( $<1$ EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human gAcrp30/Adipolean is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human gAcrp30/Adipolean - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)

- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Recombinant Human gAcrp30/Adipolean - Images**