

Recombinant Human gAcrp30/Adipolean Variant
Catalog # PBG10123**Specification**

Recombinant Human gAcrp30/Adipolean Variant - Product Information**Recombinant Human gAcrp30/Adipolean Variant - Additional Information****Description**

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 names 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 amino acids extra at the N-terminus of human gAcrp30/Adipolean.

Biological Activity

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

Authenticity

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

Endotoxin

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

Protein Content

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

Storage

-20°C

Precautions

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

Recombinant Human gAcrp30/Adipolean Variant - 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 Variant - Images