

apm-1, Adipolean (human)

Catalog # PVGS1294

Specification

apm-1, Adipolean (human) - Product Information

Primary Accession Species Human <u>Q15848</u>

Sequence

KGEPGEGAYV YRSAFSVGLE TYVTIPNMPI RFTKIFYNQQ NHYDGSTGKF HCNIPGLYYF AYHITVYMKD VKVSLFKKDK AMLFTYDQYQ ENNVDQASGS VLLHLEVGDQ VWLQVYGEGE RNGLYADNDN DSTFTGFLLY HDTN

Purity > 95% by SDS-PAGE analysis.

Endotoxin Level < 0.2 EU/ μg, determined by LAL method.

Formulation

Lyophilized after extensive dialysis against PBS.

Reconstituted in ddH₂0 at 100 µg/mL.

apm-1, Adipolean (human) - Additional Information

Gene ID 9370

Other Names

Adiponectin, 30 kDa adipocyte complement-related protein, Adipocyte complement-related 30 kDa protein, ACRP30, Adipocyte, C1q and collagen domain-containing protein, Adipose most abundant gene transcript 1 protein, apM-1, Gelatin-binding protein, ADIPOQ

Target Background



apm-1, Adipolean (human) - Protein Information

Name ADIPOQ

Function

Important adipokine involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Stimulates AMPK phosphorylation and activation in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. Inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. May play a role in cell growth, angiogenesis and tissue remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

Cellular Location Secreted.

Tissue Location Synthesized exclusively by adipocytes and secreted into plasma.

apm-1, Adipolean (human) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

apm-1, Adipolean (human) - Images