

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Adiponectin/Acrp30, Human

Catalog Number: BK0296-50µg

Source: HEK 293

Quantity: 50µg

Description:

Adipolean/gAcrp30 is produced and secreted exclusively by adipocytes, and is a relatively abundant plasma protein, accounting for up to 0.05% of total serum protein. It is an adipocytederived protein with wide ranging paracrine and endocrine effects on metabolism and inflammation. It is induced during adipocyte differentiation, and its secretion is stimulated by insulin. It promotes adipocyte differentiation, fatty acid catabolism, and insulin sensitivity and is negatively correlated with obesity, type 2 diabetes, and atherogenesis.

Molecular Weight:

16~17 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 2 µg/ml, measured in a cell proliferation assay using M1 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

KGEPGEGAYVYRSAFSVGLETYYVTIPNM-
PIRFTKIFYNQNHYDGSTGKFKHCNIPGLYY-
FAYHITVYMKDVKVSLFKKDKAM-
LFTYDQYQENNVDQASGSVLLHLEVGDQVWLQ
VYGEGERNGLYADNDNDSTFTGFLLYHDTN

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant Human Adipolean/gAcrp30 remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Human Adipolean/gAcrp30 should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Usage:

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