Recombinant bovine Adiponectin

Catalog No: #AP73067

Package Size: #AP73067-1 20ug #AP73067-2 100ug #AP73067-3 1mg

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Recombinant bovine Adiponectin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:18-240aaSequence Info:Full Length
Other Names	30KDA adipocyte complement-related protein;Adipocyte complement-related 30KDA protein ;ACRP30Adipocyte, C1q and collagen domain-containing protein;Adipose most abundant gene transcript 1 protein ;apM-1
Accession No.	Q3Y5Z3
Uniprot	Q3Y5Z3
GeneID	282865;
Calculated MW	26.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EDNMEDPPLPKGACAGWMAGIPGHPGHNGTPGRDGRDGTPGEKGEKGDPGLVGPKGDTGETGITGIEGPR GFPGTPGRKGEPGESAYVYRSAFSVGLERQVTVPNVPIRFTKIFYNQQNHYDGTTGKFLCNIPGLYYFSYHITV YLKDVKVSLYKNDKALLFTHDQFQDKNVDQASGSVLLYLEKGDQVWLQVYEGENHNGVYADNVNDSTFTGF LLYHNIVE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 rodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW .

References

Identification and adipocyte differentiation-dependent expression of the unique disialic acid residue in an adipose tissue-specific glycoprotein, adipo Q.Sato C., Yasukawa Z., Honda N., Matsuda T., Kitajima K.J. Biol. Chem. 276:28849-28856(2001)Research Topic:Others

Note: This product is for in vitro research use only