

Recombinant mouse Adiponectin

Catalog No: #AP72000



Package Size: #AP72000-1 20ug #AP72000-2 100ug #AP72000-3 1mg

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Description

Product Name	Recombinant mouse Adiponectin
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:104-247aaSequence Info:Partial
Other Names	30KDA adipocyte complement-related protein;Adipocyte complement-related 30KDA protein ;ACRP30Adipocyte, C1q and collagen domain-containing protein;Adipocyte-specific protein AdipoQ
Accession No.	Q60994
Uniprot	Q60994
GeneID	11450;
Calculated MW	20.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	KGEPGEAAYVYRSAFSVGLLETRVTVPNVPIRFTKIFYNQNHVDGSGTKFYCNIPGLYYFSYHITVYMKDVKVS LFKKDKAVLFTYDQYQEKNVDAQSGSVLLHLEVGQVWLQVYGDGDHNGLYADNVNDSTFTGFLLYHDTN
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 remodeling by binding and sequestering various growth factors with distinct binding affinities, depending on the type of complex, LMW, MMW or HMW.

References

Testosterone selectively reduces the high molecular weight form of adiponectin by inhibiting its secretion from adipocytes.Xu A., Chan K.W., Hoo R.L.C., Wang Y., Tan K.C.B., Zhang J., Chen B., Lam M.C., Tse C., Cooper G.J.S., Lam K.S.L.J. Biol. Chem. 280:18073-18080(2005)Research Topic:Others

Note: This product is for in vitro research use only