

32-7502: Recombinant Human Adiponectin/ACRP30/ADIPOQ (C-6His)(Discontinued)

Gene : ADIPOQ

Gene ID : 9370

Uniprot ID : Q15848

Description

Source: Human Cells.

MW :25.58kD.

Recombinant Human Adiponectin is produced by our Mammalian expression system and the target gene encoding Glu19-Asn244 is expressed with a 6His tag at the C-terminus. Adiponectin is a secreted protein. It is synthesized exclusively by adipocytes and secreted into plasma. Adiponectin is an important adipokine that is involved in the control of fat metabolism and insulin sensitivity, with direct anti-diabetic, anti-atherogenic and anti-inflammatory activities. Adiponectin Stimulates AMPK phosphorylation and activates in the liver and the skeletal muscle, enhancing glucose utilization and fatty-acid combustion. Adiponectin also antagonizes TNF-alpha by negatively regulating its expression in various tissues such as liver and macrophages, and also by counteracting its effects. It inhibits endothelial NF-kappa-B signaling through a cAMP-dependent pathway. Adiponectin 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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : ETTTQGPVLLPLPKGACTGWMAGIPGHPGHNGAPGRDGRDGTPEKGEKGDPLIGPKGDIGETGVPGAEG
PRGFPGIQGRKGEPGEGAYVYRSFVSGLETYVTIPNMPIRFTKIFYNQNHVDGSGKFHCNIPGLYYFAYHITV
YMKDVKVSLFKDKAMLFTYDQYQENNVDAQSGSVLLHLEVDQVWLQVYGEGERNGLYADNDNDSTFTGF
LLYHDTNVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.