

Adiponectin (ACRP30) Active Protein | ACRP30 active protein

Human Adiponectin (ACRP30)

CATALOG # AAA79125	HOST Insect Cells	REACTIVITY Human
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PRODUCT SYNONYMS

Adiponectin (ACRP30); Human Adiponectin (ACRP30); Recombinant Human Adiponectin; ACRP30 active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE analyses
Form/Format	Sterile filtered protein solution was lyophilized from PBS, free from stabilizers and preservatives
Sequence	RGHHHHHHHH ETTTQGPGLV LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGETGVPGA EGPRGFPGIQ GRKGEPGEA YVYRSAFEVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCHNIPGLY YFAYHITVYM KDVKVSFLFK DKAMLFITYDQ YQENNVQDQAS GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTN
Sequence Length	244
Reconstitution	Centrifuge vial prior to opening. Do not vortex! The lyophilized adiponectin should be reconstituted in water to a concentration of 0.1-1.0 mg/ml.
Preparation and Storage	Store at 2-8 degree C for up to 1 week or prepare for extended storage After initial reconstitution, the addition of at least 0.1% human or bovine serum albumin is recommended for frozen aliquots. Store working aliquots at -20 degree C to -80 degree C. Avoid repeated freeze/thaw cycles

ADDITIONAL INFORMATION

Related Product Information for ACRP30 active protein	Adiponectin is an adipose-derived secreted protein containing 226 amino acid residues. It is relatively abundant in humans and rodents, accounting for about 0.01% of total plasma protein. The circulating levels of adiponectin are decreased under conditions of obesity, insulin resistance, and type II diabetes. Disruption of adiponectin in mice causes insulin resistance and neointimal formation. Conversely, administration of recombinant adiponectin suppresses hepatic glucose production, and reverses insulin resistance associated with both lipodystrophy and obesity. The protective role of adiponectin is attributed to its anti-inflammatory properties (e.g. ability to suppress expression of TNF-alpha and class A scavenger receptor in macrophages). Recombinant adiponectin is a multimeric glycoprotein containing amino acids Glu-19 to Asn-244 of the adiponectin precursor protein fused to an N-terminal histidine tag. Monomeric glycosylated adiponectin migrates at an apparent molecular weight of approximately 35.0 kDa by SDS PAGE analysis under reducing conditions.
Product Categories/Family for ACRP30 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	295317372
NCBI GeneID	9370
NCBI Accession #	NP_001171271.1

NCBI GenBank Nucleotide #	NM_001177800.1
UniProt Accession #	Q15848 ; Q58EX9
Molecular Weight	35.0 kDa
NCBI Official Full Name	adiponectin
NCBI Official Synonym Full Names	adiponectin, C1Q and collagen domain containing
NCBI Official Symbol	ADIPOQ
NCBI Official Synonym Symbols	ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1
NCBI Protein Information	adiponectin; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipose most abundant gene transcript 1 protein
UniProt Protein Name	Adiponectin
UniProt Gene Name	ADIPOQ
UniProt Synonym Gene Names	ACDC; ACRP30; APM1; GBP28; ACRP30; apM-1
UniProt Entry Name	ADIPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/insect-cells-human-active-protein/adiponectin-acrp30/79125>