

Adiponectin (Acrp30) Active Protein | ACRP30 active protein

Mouse Adiponectin (Acrp30)

CATALOG # AAA79239	HOST Insect Cells
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PRODUCT SYNONYMS

Adiponectin (Acrp30); Mouse Adiponectin (Acrp30); Adipoq; APN; Acdc; apM1; 30 kDa; GBP28; adipo; Acrp30; ACRP30 active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Purity/Purification	> 98% by SDS-PAGE gel and HPLC analyses.
Form/Format	Lyophilized; 20 mM Tris, pH 8.5 + 75mM L-Arginine.
Sequence	RGHHHHHHHH VTTTEELAPA LVPPPKGTCA GWMAGIPGHP GHNGTPGRDG RDGTPGEKGE KGDAGLLGPK GETGDVGMTG AEGPRGFGT PGRKGEPGEA AYVYRSAFSV GLETRVTVPN VPIRFTKIFY NQQNHYDGST GKFYCNIPGL YYFSYHITVY MKDVKVSLFK KDKAVLFITYD QYQEKNVDA SGSVLLHLEV GDQVWLQVYG DGDHNGLYAD NVNDSTFTGF LLYHDTN
Sequence Length	247
Endotoxin Level	<0.1 ng/ug of protein (<1EU/ug).
Reconstitution	Centrifuge before opening to ensure complete recovery of vial contents. Reconstitute in water to a concentration of 1.0 mg/ml. Do Not Vortex. Allow the reconstituted vial to sit at room temperature for 30 minutes before use. This solution can be stored for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Tag	His-Tag
Length (aa)	236
Preparation and Storage	The lyophilized is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20° to -80°C.

ADDITIONAL INFORMATION

Related Product Information for ACRP30 active protein	Adiponectin is an adipose-derived secreted protein containing 236 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 lipoatrophy and obesity. The protective role of adiponectin is attributed to its anti-inflammatory properties (e.g. ability to suppress expression of TNF-beta and class A scavenger receptor in macrophages). Recombinant adiponectin is a multimeric glycoprotein containing amino acids Val-21 to Asn-247 of the adiponectin precursor protein fused to an N-terminal histidine tag. Monomeric glycosylated adiponectin migrates at an apparent molecular weight of approximately 31-36 kDa by SDS PAGE analysis under reducing conditions.
Product Categories/Family for ACRP30 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	87252711
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NCBI GeneID	11450
NCBI Accession #	NP_033735.3
NCBI GenBank Nucleotide #	NM_009605.4
UniProt Accession #	Q60994 ; Q62400 ; Q6GTX4 ; Q9DC68
Molecular Weight	31-36 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	APN; Acdc; apM1; 30kDa; GBP28; adipo; Acrp30
NCBI Protein Information	adiponectin; adipocyte-specific protein AdipoQ; adipocyte complement related protein; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipocyte, C1Q and collagen domain containing; adipocyte, C1q and collagen domain-containing protein
UniProt Protein Name	Adiponectin
UniProt Gene Name	Adipoq
UniProt Synonym Gene Names	Acdc; Acrp30; Apm1; ACRP30
UniProt Entry Name	ADIPO_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/insect-cells-active-protein/adiponectin-acrp30/79239>