

Adiponectin (globular domain) Recombinant Protein | Adipoq recombinant protein

Adiponectin (globular domain), 111-247aa, Mouse, E Coli

CATALOG # AAA48453	HOST E Coli	APPLICATIONS SDS-Page
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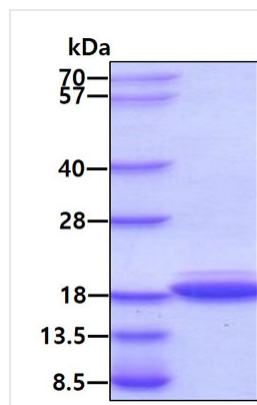
PRODUCT SYNONYMS

Adiponectin (globular domain); 111-247aa; Mouse; E Coli; ADIPOQ; ACDC; ACRP30; APM1; GBP28; Adiponectin globular domain; Adipocyte; C1q and collagen domain-containing protein; 30 kDa adipocyte complement-related protein; Adipocyte complement-related 30 kDa protein; Adipose most abunda; Adiponectin; 30 kDa adipocyte complement related protein; ACRP 30; Adipocyte C1q and collagen domain containing protein; Adipocyte complement related 30 kDa protein; Adipocyte complement related protein of 30 kDa; Adipose most abundant gene transcript 1; APM 1; GBP 28; Gelatin binding protein; ; Adipoq recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl pH7.5, 50mM NaCl, 5mM DTT, 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAYMYRSAFS VGLETRVTVP NVPIRFTKIF YNQQNHVDGS TGKFYCNIPG LYYFSYHITV YMKDVKVSLF KKDKAVLFTY DQYQEKVDQ ASGSVLLHLE VGDQVWLQVY GDGDHNGLYA DNVNDSTFTG FLLYHDTN
Sequence Length	111-247
Applicable Applications for Adipoq recombinant protein	SDS-PAGE
Tag	Non-Tagged
Domain	111-247aa
Endotoxin Level	<1 EU per 1ug of protien (determined by LAL method)
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for Adipoq recombinant protein	Adiponectin/Acrp30 (247amino acids) is adipocyte complement-related protein of 30kDa and exclusively expressed in differentiated adipocytes. Adiponectin (Acrp30) is a member of the complement factor C1q family and consists of signal sequence, Non-homologous sequence, collagen domain and globular domain (gAcrp30). Adiponectin (Acrp30) expression is reduced in a variety of obese and insulin-resistant states in human, monkeys and mice. Injection of Acrp30 (247aa) or gAcrp30 (globular domain) lowers serum glucose and free fatty acid level in mice. The globular domain of adiponectin/acrp30 (amino acid residues, 111-247, gAcrp30) was overexpressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for Adipoq recombinant protein	Hormones & Cytokines
References	Joachim Fruebis, et al (2001) PNAS 98 (4) 2005-2010; Das,K., et al (2001) Biochem. Biophys.Res.Comm. 280 (4)1120-1129; Yamauchi T., et al (2001) Nature Medicine 7 (8) 941-946; Berg AH, et al (2001) Nature Medicine 7 (8) 947-952; Yamauchi. T., et al (2002) Nature Medicine 8 (11) 1288-1295;

NCBI AND UNIPROT INFORMATION

NCBI GI #	87252711
NCBI GeneID	11450
NCBI Accession #	NP_033735
NCBI GenBank Nucleotide #	NM_009605.5
UniProt Accession #	Q60994 ; Q62400 ; Q6GTX4 ; Q9DC68
Molecular Weight	16 kDa (138 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	adiponectin
NCBI Official Synonym Full Names	adiponectin, C1Q and collagen domain containing
NCBI Official Symbol	Adipoq
NCBI Official Synonym Symbols	Ad; APN; Acdc; apM1; 30kDa; GBP28; adipo; Acrp30
NCBI Protein Information	adiponectin
UniProt Protein Name	Adiponectin
UniProt Gene Name	Adipoq
UniProt Synonym Gene Names	Acdc; Acrp30; Apm1; ACRP30

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/adipoq-recombinant-protein-e-coli-sds-page/48453>