

mAdiponectin Recombinant Protein | Adipoq recombinant protein

mAdiponectin, 18- 247aa, Mouse, His tag, E Coli

CATALOG # AAA48479	HOST E Coli	APPLICATIONS SDS-Page
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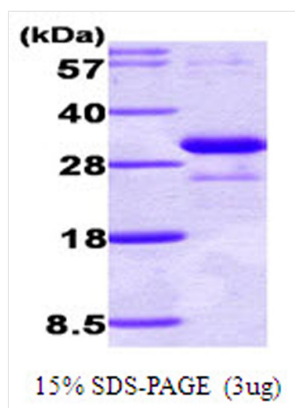
PRODUCT SYNONYMS

mAdiponectin; 18- 247aa; Mouse; His tag; E Coli; adipocyte complement-related protein; Acdc; GBP28; Acrp30; His-tagged; Adiponectin; C1Q and collagen domain containing [Mus musculus]; ; Adipoq recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	20mM Tris pH 8.0, 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MEDDVTTEE LAPALVPPPK GTCAGWMAGI PGHPGHNGTP GRDGRDGTG EKGEKGDAGL LGPKGETGDV GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQNH Y DGSTGKFYCN IPGLYYFSYH ITVYMKDVKV SLFKKDKAVL FTYDQYQKN VDQASGSVLL HLEVGDQVWL QVYGDGDHNG LYADNVNDST FTGFLYHDT N
Sequence Length	247
Applicable Applications for Adipoq recombinant protein	SDS-PAGE
Antigen Species	Mouse
Tag	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Adipoq recombinant protein	Adiponectin is an adipocyte specific secreted protein that circulates in the plasma. It is induced during adipocyte differentiation and its secretion is stimulated by insulin. Mouse adiponectin shares about 83% amino acid identity with that human. Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Adiponectin is reduced in obese humans, and decreased level is associated with insulin resistance and hyperinsulinemia. Recombinant mouse adiponectin, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for Adipoq recombinant protein	Hormones & Cytokines
References	Yokota. T. et al. (2000) Blood. 96:1723; Yamauchi T. et al (2002) Nature Medicine.8 (11):1288-1295; Lu M. et al (2007) Mol Endocrinol. 59 (2):207-16;

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	27.2 kDa (251 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.