

Recombinant Mouse Adiponectin, C1Q And Collagen Domain Containing

Cat. No. Adipoq-5373M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant MouseAdipoq (aa 111-247) is the globular domain of Mouse Adipoq, containing 138amino acid residues from aa 111-247.
Species	Mouse
Source	E.coli
ProteinLength	111-247 a.a.
Description	Thereare four distinct regions of Adipoq. The first is a short signal sequence that targets the hormone for secretion outside thecell; next is a short region that varies between species; the third is a65-amino acid region with similarity to collagenous proteins; the last is a globular domain. Overall this gene shows similarity to the complement 1Qfactors. However, when the 3-dimensional structure of the globular region wasdetermined, a striking similarity to TNFa was observed, despite unrelatedprotein sequences.
Form	Liquid in 20 mMTris-HCl, pH 7.5 + 50 mM NaCl + 5 mM DTT + 10% glycerol.
Purity	> 95.0% asdetermined by RP-HPLC and SDS-PAGE analyses.
Endotoxin Level	< 0.1 ng/μg ofAdipoQ.
Amino Acid	MAYMYRSAFSVGLQTRVTP NVPIRFTKIF YNQQNHVDGS TGKFYCNIPG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequence	LYYFSYHITVYMKDVKVSLFKKDKAVLFTY DQYQEKNVDQ ASGSVLLHLE VGDQVWLQVYGDGDHNGLYADNVNDSTFTG FLLYHDTN
Molecular Weight	16 kDa
Concentration	1 mg/ml
Storage	Store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	Adipoq

GENE INFORMATION

Gene Name	Adipoq adiponectin, C1Q and collagen domain containing [Mus musculus]
Synonyms	Adipoq; adiponectin, C1Q and collagen domain containing; APN; Acdc; apM1; 30kDa; GBP28; adipo; Acrp30; adiponectin; OTTMUSP00000050447; 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
Gene ID	11450
mRNA Refseq	NM_009605
Protein Refseq	NP_033735
Chromosome Location	16 B3-B4; 16 16.0 cM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

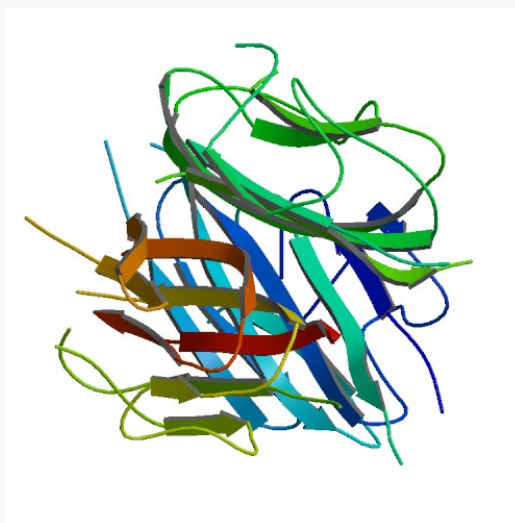
Pathway

Adipocytokinesignaling pathway; Adipogenesis; Leptin and adiponectin; PPAR signalingpathway; Type II diabetes mellitus

Function

eukaryotic cellsurface binding; hormone activity; protein binding; protein homodimerizationactivity; receptor binding; sialic acid binding

PDBrendering based
on 1c28.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA