Recombinant Mouse Adipoq

Cat. No. Adipoq-216M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Source	HEK293
Description	Adipoq (also referred to as GBP-28, apM1, AdipoQ and Acrp30) is a protein which in humans is encoded by the Adipoq gene.
Form	Filtered (0,4 μm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4.
Research topic	Animal studies; Energy metabolism and body weight regulation.
Purity	>98%
Reconstitution	Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Applications	Cell culture and/or animal studies; ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein; GFC to determine purity of the protein; LAL to determine quantity of endotoxin

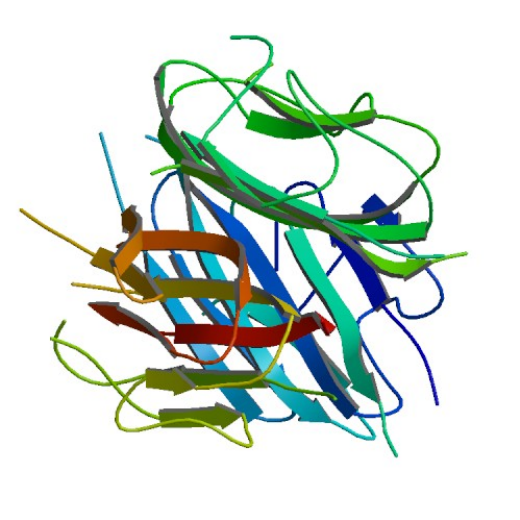
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Sequences of amino acids	EDDVTTTEEL APALVPPPKG TCAGWMAGIP GHPGHNGTPG RDGRDGTPGE KGEKGDAGLL GPKGETGDVG MTGAEGPRGF PGTPGRKGEP GEAAYMYRSA FSVGLETRVT VPNVPIRFTK IFYNQQNHYD GSTGKFYCNI PGLYYFSYHI TVYMKDVKVS LFKKDKAVLF TYDQYQEKNV DQASGSVLLH LEVGDQVWLQ VYGDGDHNGL YADNVNDSTF TGFLLYHDTN DYKDDDDK
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

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

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Location	
Pathway	Adipocytokine signaling pathway; Adipogenesis; Leptin and adiponectin; PPAR signaling pathway; Type II diabetes mellitus
Function	eukaryotic cell surface binding; hormone activity; protein binding; protein homodimerization activity; receptor binding
PBB Protein	

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