

Recombinant Porcine ADIPOQ, Flag-tagged

Cat. No. ADIPOQ-218P Lot. No. (See product label)

SPECIFICATION

Product Overview	Total 238 AA. MW: 26.0 kDa (calculated). N-Terminal Flag-tag, UniProtKB/TrEMBL Q6PP07 with 13 extra AA (highlighted).
Species	Porcine
Source	HEK293
Description	This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes.
Form	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM Tris buffer, 50mM NaCl, pH 7.5.
Research topic	Energy metabolism and body weight regulation.
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	Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein

 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

Sequences of amino acids

HVDYKDDDDK PAGETTEKPG ALLPMPKGAC AGWMAGIPGH PGHNGTPGRD
 GRDGVPGKEK EKGDTGLTGP KGDTGESGVT GVEGPRGFPG IPGRKGEPGE
 SAYVYRSAFS VGLETRVTVP NMPIRFTKIF YNQQNHVDVT TGKFHCNIPG
 LYYFSFHITV YLKDVKVS LY KKDKAVLFTY DQYQDKNVDQ ASGSVLLYLE
 KGDQVWLQAY GDEENNGVYA DNVNDSIFTG FLLYHNIE

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.

Pathways

Adipocytokine signaling pathway; Adipogenesis; Diabetes pathways; PPAR signaling pathway; Transcriptional Regulation of White Adipocyte Differentiation; Type II diabetes mellitus

GENE INFORMATION

Gene Name

ADIPOQ adiponectin, C1Q and collagen domain containing [Homo sapiens]

Official Symbol

ADIPOQ

Synonyms

ADIPOQ; adiponectin, C1Q and collagen domain containing provided; ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1; adiponectin; OTTHUMP00000210047; OTTHUMP00000210048; gelatin-binding protein 28; adipose specific collagen-like factor; 30 kDa adipocyte complement-related protein; adipocyte complement-related 30 kDa protein; adipose most abundant gene transcript 1 protein

Gene ID


9370

mRNA Refseq

NM_004797

 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

Protein Refseq NP_004788

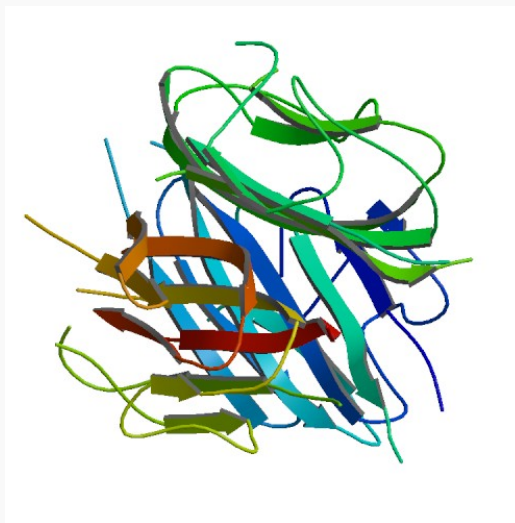
MIM 605441

UniProt ID Q15848

Chromosome Location 3q27

Function cytokine activity; eukaryotic cell surface binding; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding

ADIPOQ protein



 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