

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

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Sequences of amino acids	HVDYKDDDDK PAGETTEKPG ALLPMPKGAC AGWMAGIPGH PGHNGTPGRD GRDGVPGKEKG EKGDTGLTGP KGDTGESGVT GVEGPRGFPG IPGRKGEPGE SAYVYRSAFS VGLETRVTVP NMPIRFTKIF YNQQNHYDVT TGKFHCNIPG LYYFSFHITV YLKDVKVSly 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; 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

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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	