

Recombinant Human ADIPOQ, His-tagged

Cat. No. ADIPOQ-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 242 AA. MW: 26.4 kDa (calculated). N-Terminal His-tag, 12 extra AA (highlighted).
Species	Human
Source	E.coli
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 0.02M Tris buffer pH 7.5, 0.15M NaCl.
Research topic	Energy metabolism and body weight regulation.
Purity	>95%
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	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein; LAL to determine quantity of endotoxin

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Sequences of amino acids

MRGSHHHHHH GSGHDQETTT QGPGVLLPLP KGA CTGWMAG IPGHPGHNGA
 PGRDGRDGTP GEKGEKGDGP LIGPKGDIGE TGVPGAEGPR GFPGIQGRKG
 EPGEGAYVYR SAFSVGLEYT VTIPNMPIRF TKIFYNQNH YDGSTGKFHC
 NIPGLYYFAY HITVYMKDVK VSLFKKDKAM LFTYDQYQEN NVDQASGSVL
 LHLEVG DQVW LQVYGEGERN GLYADNDNDS TFTGFLLYHD TN

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 \[Homo sapiens \]](#)

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](#)

Protein Refseq [NP_004788](#)

MIM [605441](#)

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UniProt ID	Q15848
Chromosome Location	3q27
Pathway	Adipocytokine signaling pathway; Adipogenesis; Diabetes pathways; PPAR signaling pathway; Transcriptional Regulation of White Adipocyte Differentiation; Type II diabetes mellitus
Function	cytokine activity; cytokine activity; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding
PBB Protein	