

## Recombinant Human ADIPOQ, His-tagged

Cat. No. ADIPOQ-209H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Total 171AA. N-terminal His-tag and the protease cleavage site, 31 extra AA (highlighted). The AA sequence is homologous to the amino acid sequence (105-244) of the Human full-length Adiponectin.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	105-244 a.a.
<b>Description</b>	ADIPOQ (also referred to as GBP-28, apM1, AdipoQ and Acrp30) is a protein which in humans is encoded by the ADIPOQ gene.
<b>Form</b>	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.05 M phosphate buffer, 0.075 M NaCl, pH 7.4
<b>Research topic</b>	Energy metabolism and body weight regulation.
<b>Purity</b>	>95%
<b>Reconstitution</b>	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.
<b>Applications</b>	Binding assay; ELISA; Ex vivo and in vivo activity analysis; In vitro; Western blotting

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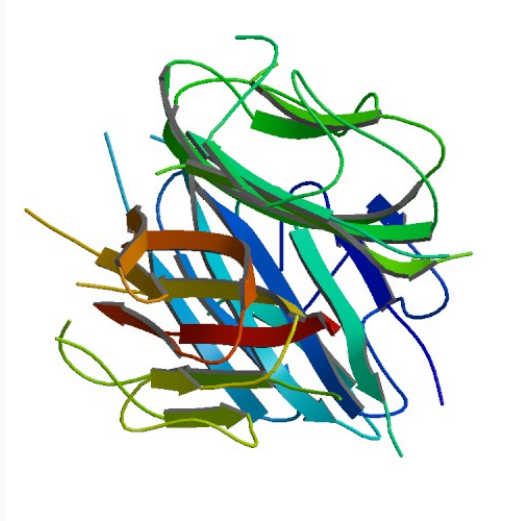
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<b>Quality Control Test</b>	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein; GFC to determine purity of the protein; LAL to determine quantity of endotoxin
<b>Sequences of amino acids</b>	MSWWHHHHHH NWNIPPTQDT TQDLWFEGAM GGEGAYVYRS AFSVGLETYV TIPNMPIRFT KIFYNQNHY DGSTGKFHCN IPGLYYFAYH ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HLEVGDQVWL QVYGEGERNG LYADNDNDST FTGFLLYHDT N
<b>Storage</b>	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 two weeks at 4°C.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ADIPOQ adiponectin, C1Q and collagen domain containing [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">ADIPOQ</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">9370</a>
<b>mRNA Refseq</b>	<a href="#">NM_004797</a>

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<b>Protein Refseq</b>	NP_004788
<b>MIM</b>	605441
<b>UniProt ID</b>	Q15848
<b>Chromosome Location</b>	3q27
<b>Pathway</b>	Adipocytokine signaling pathway; Adipogenesis; Diabetes pathways; PPAR signaling pathway; Transcriptional Regulation of White Adipocyte Differentiation; Type II diabetes mellitus
<b>Function</b>	cytokine activity; cytokine activity; hormone activity; identical protein binding; protein binding; protein homodimerization activity; receptor binding
<b>PBB Protein</b>	

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