OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PA500X

Adiponectin (biologically active) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Adiponectin (biologically active) human protein, 0.1 mg
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	ETTTQGPGVL LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGETGVPGA EGPRGFPGIQ GRKGEPGEGA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGSTG KFHCNIPGLY YFAYHIVYMK DVKVSLFKKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYGEG ERNGLYADND NDSTFTGFLL YHDTNDYKDD DDK Glu 1 to Gln 5 were confirmed by N-terminal sequencing.
Concentration:	lot specific
Purity:	>98%
Buffer:	Presentation State: Purified State: Lyophilized purified Protein Buffer System: 20 mM Tris buffer, 20 mM NaCl, pH 7.5
Bioactivity:	Biological: In vitro gluconeogenesis assay in primary hepatocytes was performed, showing the human adiponectin derived from mammalian cells can inhibit glucose production. The ED50 was ~6 µg/ml.
Reconstitution Method:	Restore with deionized water
Preparation:	Lyophilized purified Protein
Applications:	Cell culture and/or animal studies. ELISA. Western Blot.
Protein Description:	Human Adiponectin Total 226 AA, UniProt Q15848 (Glu19 – Asn244)
Note:	Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

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Storage:	Store lyophilized (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001171271
Locus ID:	9370
UniProt ID:	Q15848
Cytogenetics:	3q27.3
Synonyms:	ADIPOQ, ACDC, ACRP30, APM1, GBP28
Summary:	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. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Apr 2010]
Protein Families:	Cell culture and/or animal studies. ELISA. Western Blot.
Protein Pathways:	Adipocytokine signaling pathway, PPAR signaling pathway, Type II diabetes mellitus

Product images: