

## Product datasheet for **TP723006**

### Adiponectin (ADIPOQ) (NM\_004797) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human adiponectin, C1Q and collagen domain containing (ADIPOQ), transcript variant 2.
Species:	Human
Expression Host:	Hi-5 insect
Expression cDNA Clone or AA Sequence:	RGHHHHHHHH ETTTQGGV LPLPKGACTG WMAGIPGHPG HNGAPGRDGR DGTPGEKGEK GDPGLIGPKG DIGETGPGA EGPRGFPGIQ GRKGEPGE GA YVYRSAFSVG LETYVTIPNM PIRFTKIFYN QQNHYDGGSTG KFHCNIPGLY YFAYHITVYM KDVKVSFLFK DKAMLFTYDQ YQENNVDAQS GSVLLHLEVG DQVWLQVYGE GERNGLYADN DNDSTFTGFL LYHDTN
Tag:	N-His
Predicted MW:	35 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by a cytotoxic assay using M1 cells. ED50 for this effect is 3.0-6.0ug/mL.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_004788</a></u>
Locus ID:	9370
UniProt ID:	<u><a href="#">Q15848</a></u>
RefSeq Size:	4592
Cytogenetics:	3q27.3
RefSeq ORF:	732
Synonyms:	ACDC; ACRP30; ADIPQTL1; ADPN; APM-1; APM1; GBP28



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<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, PPAR signaling pathway, Type II diabetes mellitus