

Product datasheet for SA6050X

Adiponectin (15-244) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Adiponectin (15-244) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGHDQETTTQ GPGVLLPLPK GACTGWMAGI PGHPGHNGAP GRDGRDGTGP EKGEKGDPL IGPKGDIGET GVPGAEGPRG FPGIQGRKGE PGEGAYVYRS AFSVGLLETIV TIPNMPPIRFT KIFYNQNH Y DGSTGKFHCN IPGLYYFAYH ITVYMKDVKV SLFKKDKAML FTYDQYQENN VDQASGSVLL HLEVG DQVWL QVYGEGERNG LYADNDNDST FTGFLLYHDT N
Predicted MW:	25 kDa
Concentration:	lot specific
Purity:	>90% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: PBS, pH 7.4 containing 1 mM DTT
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human Adiponectin protein was expressed in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. 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



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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:

Druggable Genome, Secreted Protein

Protein Pathways:

Adipocytokine signaling pathway, PPAR signaling pathway, Type II diabetes mellitus

Product images: