

## Product datasheet for **AR51461PU-N**

### Adiponectin (108-244, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Adiponectin (108-244, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MAYVYRSAFS VGLETYVTIP NMPIRFTKIF YNQQNHYDGS TGKFHCNIPG LYYFAYHITV YMKDVKVSLF KKDKAMLFTY DQYQENNVQD ASGSVLLHLE VGDQVWLQVY GEGERNGLYA DNDNDSTFTG FLLYHDTN
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	18.1 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>80% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human ADIPOQ protein, fused to His-tag at N-terminus, was expressed in E.coli .
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001171271</a>
<b>Locus ID:</b>	9370
<b>UniProt ID:</b>	<a href="#">Q15848</a>
<b>Cytogenetics:</b>	3q27.3
<b>Synonyms:</b>	ADIPOQ, ACDC, ACRP30, APM1, GBP28



[View online »](#)

**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:**