

Product information

Adiponectin, 18-247 aa

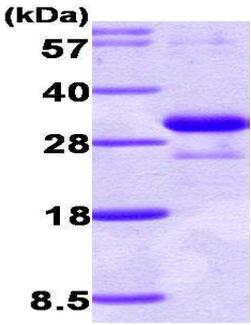
Mouse, His-tagged, Recombinant, *E.coli*

Cat. IBADI0702

Synonyms: adipocyte complement-related protein, Acdc, GBP28, Acrp30

NCBI Accession No.: NP_033735

Description: Adiponectin is an adipocyte specific secreted protein that circulates in the plasma. It is induced during adipocyte differentiation and its secretion is stimulated by insulin. Mouse adiponectin shares about 83% amino acid identity with that human. Adiponectin plays a role in various physiological processes such as energy homeostasis and obesity. Adiponectin is reduced in obese humans, and decreased level is associated with insulin resistance and hyperinsulinemia. Recombinant mouse adiponectin, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol</p> <p>Molecular Weight: 27.2 kDa (251 aa) , confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	 <p>(kDa)</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MEDDVTTTEE LAPALVPPPK GTCAGWMAGI PGHPGHNGTP GRDGRDGTTPG EKGEKGDAGL LGPKGETGDV GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQQNHY DGSTGKFYCN IPLYFFSYH ITVYMKDVKV SLFKKDKAVL FTYDQYQEKV VQASGSVLL HLEVGDQVWL QVYGDGDHNG LYADNVNDST FTGFLLYHDT N</p>	

General references:

Yokota. T. *et al.* (2000) *Blood*. **96**:1723

Yamauchi T. *et al* (2002) *Nature Medicine*.8(11):1288-1295

Lu M. *et al* (2007) *Mol Endocrinol*. 59(2):207-16

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.