

Product Data Sheet

mAdiponectin, 18- 247aa

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

Cat. No. ADI0752

Size : 100 µg

Cat. No. ADI0702

Size : 0.5 mg

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

NCBI Accession: 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.

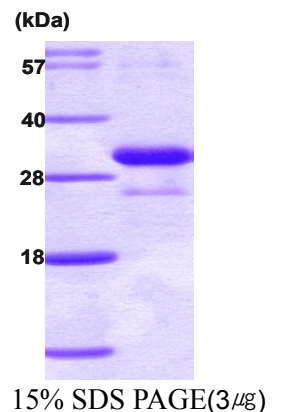
Form: 20mM Tris pH 8.0, 1mM DTT, 10% Glycerol

Molecular Weight: 27 kDa (251 aa)

Purity: ≥ 90% by SDS-PAGE

Concentration : 1mg/ml

Sequences: MGSSHHHHHH SGLVPRGSH MEDDVTTEE LAPALVPPK GTCAGWMAGI
PGHPGHNGTP GRDGRDTPG EKGEKGDAGL LGPKGETGDV GMTGAEGPRG FPGTPGRKGE
PGEAAYVYRS AFSVGLETRV TVPNVPIRFT KIFYNQQNHY DGSTGKFYCN IPGLYYFSYH
ITVYMKDVKV SLFKKDKAVL FTYDQYQEKV VQASGSVLL HLEVGDQVWL QVYGDGDHNG
LYADNVNDST FTGFLLYHDT N



WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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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: Store at -20°C. Avoid freeze/thaw cycles.

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