

Product information

Adiponectin, globular domain:111-247 aa

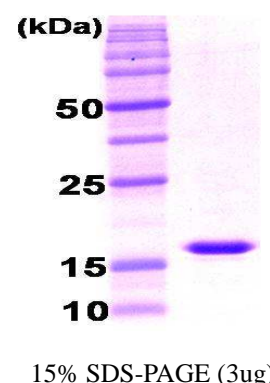
Mouse, Recombinant, *E.coli*

Cat. No. IBADI3001

Synonyms: gAcrp30

NCBI Accession No.: NP_033735

Description: Adiponectin/Acrp30 (247 amino acids) is adipocyte complement-related protein of 30kDa and exclusively expressed in differentiated adipocytes. Adiponectin (Acrp30) is a member of the complement factor C1q family and consists of signal sequence, Non-homologous sequence, collagen domain and globular domain (gAcrp30). Adiponectin (Acrp30) expression is reduced in a variety of obese and insulin-resistant states in human, monkeys and mice. Injection of Acrp30 (247aa) or gAcrp30 (globular domain) lowers serum glucose and free fatty acid level in mice. The globular domain of adiponectin/acrp30 (amino acid residues, 111-247, gAcrp30) was overexpressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 50 mM NaCl, 5 mM DTT, 10% glycerol</p> <p>Molecular Weight: 16 kDa (138 aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% 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>Sequences of amino acids:</p> <p>MAYMYRSAFS VGLETRVTVP NVPTRFTKIF YNQQNHYDGS TGKFYCNIPG LYYFSYHITV YMKDVKVSLF KKDKAVLFY DQYQEKNVDQ ASGSVLLHLE VGDQVWLQVY GDGDHNGLYA DNVNDSTFTG FLLYHDTN</p>	

General references:

- Joachim Fruebis, *et al*(2001) *PNAS* 98(4) 2005-2010
- Das, K., *et al*(2001) *Biochem. Biophys. Res. Commun.* 280(4)1120-1129
- Yamauchi T., *et al*(2001) *Nature Medicine* 7(8) 941-946
- Berg AH, *et al*(2001) *Nature Medicine* 7(8) 947-952
- Yamauchi. T., *et al*(2002) *Nature Medicine* 8(11) 1288-1295

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.



Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com