



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Recombinant Mouse Adiponectin, His tagged (Mouse Acrp30)

Catalog No.
228-10015

Source
Escherichia coli

Synonyms:

Acrp30, AdipoQ, GBP-28, APM-1, ACDC

Introduction:

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.

Description:

Mouse Acrp30 is created as a recombinant protein with N-terminal fusion of His Tag. The Adiponectin His-Tagged Fusion Protein, produced in *E. coli*, is a 27 kDa protein containing 251 amino acid residues of the Acrp30 Mouse, 18-247 amino acids.

Formulation:

Mouse Acrp30 is a sterile filtered liquid formulation containing 20mM Tris pH-8, 1mM DTT and 10% Glycerol..

Stability:

Store at -20°C. Can be stored at 4°C for a limited period of 7 days. Please prevent freeze-thaw cycles.

Purity:

Mouse Acrp30 purity is greater than 90% as determined by SDS-PAGE analysis.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Amino acid sequence:

MGSSHHHHHH SSGLVPRGSH MEDDVTTTEE LAPALVPPPK GTCAGWMAGI
PGHPGHNGTP GRDGRDGTPG EKGEKGDAGL LGPKGETGDV
GMTGAEGPRG FPGTPGRKGE PGEAAYVYRS AFSVGLETRV TVPNVPIRFT
KIFYNQQNHY DGSTGKFYCN IPGLYYFSYH ITVYMKDVKV SLFKKDKAVL
FTYDQYQEKV VDQASGSVLL HLEVGDQVWL QVYGDGDHNG
LYADNVNDST FTGFLLYHDT N.

Usage:

Those products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals

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