

PRODUCT DATA SHEET

Product: ACRP30, soluble (mouse, recombinant)

Cat. No.: BC-128 (50 µg)

Synonyms:

Adipocyte Complement Related Protein of 30 kDa, Soluble (mouse) (recombinant); Adiponectin, Soluble (mouse) (recombinant); AdipoQ, Soluble (mouse) (recombinant); apM1, Soluble (mouse) (recombinant); GPB28, Soluble (mouse) (recombinant)

Origin: The recombinant protein is produced in HEK 293 cells. Mouse ACRP30 (aa18-247) fused at the N-terminus to a linker peptide (8 aa) and a FLAG tag.

Species Reactivity: Mouse.

MW: ~35 kDa (SDS-PAGE under reducing conditions)

Purity:

≥90% (SDS-PAGE). The endotoxin content is <0.1ng endotoxin/µg purified protein as determined by the *Limulus* amoebocyte lysate (LAL) Assay (Bio Whittaker).

Format: Lyophilized powder. Contains PBS.

Reconstitution: Reconstitute with 50 µl sterile water.

Concentration:

1 mg/ml after reconstitution.

Application: Inhibits serum glucose production in mice.

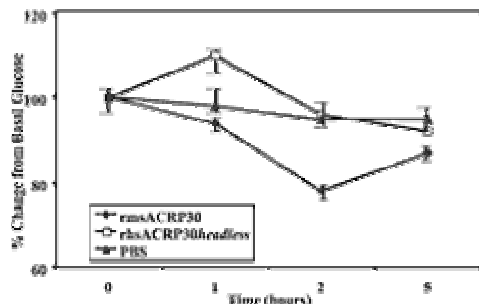


Figure: Bioactivity of rmsACRP30

Method:

Two groups of four mice each were injected with PBS (vehicle), rmsACRP30 (Cat. no. BC-128) and rhsACRP30headless (Cat. no. BC-114) at 1 µg/g body weight as a tail vein injection. Subsequently, serum glucose levels were monitored over the time indicated by Trinder assay. Plotted is the average of four mice. rmsACRP30 represses hepatic glucose production, so serum glucose levels decrease until counter-regulatory mechanisms (i.e. glucagon) become effective. rhsACRP30headless demonstrated no significant bioactivity in terms of reduction of serum glucose compared to wildtype in this *in vivo* assay.

Storage and Stability:

Stable for at least 6 months when stored at -20°C. Avoid freeze / thaw cycles. After reconstitution, prepare aliquots and store at -20°C.

Limitations:

For research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.