PRODUCT DATA SHEET

Product: ACRP30*headless* (human)

Cat. No: **BC-114 (10 µg)**

Origin: The recombinant protein is produced in HEK 293 cells. The non-homologous (aa16-45) and collagen domain of human ACRP30 [Adipocyte Complement Related Protein of 30 kDa] (aa45-108) are fused at the N-terminus to a FLAG-epitope tag.

MW: ~27 kDa (SDS-PAGE under reducing conditions)

Format: Lyophilized powder. Contains PBS.

Reconstitution: Reconstitute with 100 µl sterile water.

Concentration:
0.1 mg/ml after reconstitution.

Purity:
≥95% (Coomassie blue stained SDS-PAGE). The endotoxin content is <0.1 ng endotoxin / µg purified protein as determined by the LIMULUS AMEBOCYTE LYSATE Assay (BioWhittaker).

Application: Negative control.When used at 1 µg/g body weight in mouse demonstrated no significant bioactivity in terms of reduction of serum glucose compared to wildtype in an *in vivo* assay.

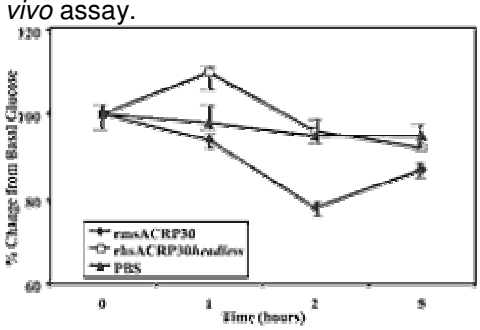

Figure: Bioactivity of rmsACRP30

Method:
Two groups of four mice each were injected with PBS (vehicle), rmsACRP30 (Cat. no. BC-128) and hrsACRP30*headless* (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. glucagons) 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:
Store at –20°C. Avoid freeze / thaw cycles. After reconstitution, prepared 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.