

32-1019: rACRP30 Recombinant Protein

Alternative Name : Adipocyte C1q and collagen domain-containing protein, Adipocyte complement-related 30kDa protein, Adipose most abundant gene transcript 1 protein, gelatin-binding protein, Acrp30, AdipoQ, GBP-28, APM-1, ACDC.

Description

Source : HEK293 cell line. ACRP30 Rat Recombinant produced in 293 cell line is a polypeptide chain containing 238 amino acids and having a total molecular mass of 25.7 kDa. ACRP30 contains a C-Terminal linker (3 AA residue) and a C-Terminal Flag- tag (8 AA residue). Adiponectin, also referred to as Acrp30, AdipoQ and GBP-28, is a recently discovered 244 amino acid protein, the product of the apM1 gene, which is physiologically active and specifically and highly expressed in adipose cells (Adipokine). The protein belongs to the soluble defense collagen super family; it has a collagen-like domain structurally homologous with collagen VIII and X and complement factor C1q-like globular domain. APM-1 forms homotrimers, which are the building blocks for higher order complexes found circulating in serum.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by densitometric image analysis.
Content : Filtered (0.4µm) and lyophilized in 20 mM Tris buffer, 50 mM NaCl, pH 7.5.
Storage condition : Lyophilized ACRP30 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution ACRP30 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid : GITATEGPGA LVPPPKETCA GWMAGIPGYP GHNGIPGRDG RDGTPGEKGE KGDAGVLGPK
 GDPGDAGMTG AEGPRGFPGT PGRKGEPGEA AYMYSFAFSV GLETRVTVPN VPIRFTKIFY
 NQQNHYDGST GKFHCNIPGL YYFSYHITVY MKDVKVSLFK KDKAVLFTYD QYQEKNDVQA
 SGSMLLHLEV GDQVWLQVYG EGDNNGLYAD NVNDSTFTGF LLYHDTNAAA DYKDDDDK

Application Note

Add deionized water to a working concentration approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by appropriate sterile filter before using it in the cell culture.

