

ADIPOQ

Recombinant Human Adiponectin/Acrp30

Catalog No.	CRA025A	Quantity:	5 µg
	CRA025B		25 µg
	CRA025C		1.0 mg
	CRA025D		100 µg

Alternate Names: ACDC, ACRP30, adiponectin, apM1, gAcrp30, GBP28

Description: Globular ACRP-30, gACRP-30, is a naturally occurring cleavage product of adiponectin, a molecule made exclusively by adipocytes. gACRP-30 is detected a relatively high concentrations in the serum and is thought to play an important role in hyperglycemia and insulin resistance. gACRP-30 signals through receptors, AdipoR1 and AdipoR2. Recombinant human gACRP-30 is a non-glycosylated protein, containing 145 amino acids, with a molecular weight of 16.7 kDa.

Gene ID: 9370

UniProtKB: Q15848

Source: *E. coli*

Molecular Weight: Monomer, 16.7 kDa (145 aa)

Formulation: Lyophilized from a sterile solution containing 10 mM Tris, pH 8.0 and 0.75 mM DTT at a concentration of 100 µg/mL.

Purity: ≥ 90% by reducing and non-reducing SDS-PAGE,

Endotoxin Level: ≤ 5 EU/µg

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

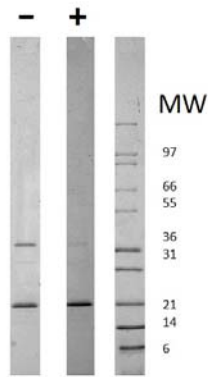
Amino Acid Sequence: MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK
FHCNIPGLYY FAYHITVYMK DVKVSFLFKD KAMLFTYDQY QENNVDQASG
SVLLHLEVGD QVWLQVYEGE ERNGLYADND NDSTFTGFL YHDTN

Reconstitution: **Centrifuge vial prior to opening.** Add sterile 5 mM Tris, 0.75 mM DTT, pH 8 to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution.

Storage & Stability: **Upon receipt,** store desiccated at -20 °C for up to one year. **Upon reconstitution,** the preparation is stable for one month at 2-8 °C. **For long term storage** reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. **Avoid repeated freeze-thaw cycles.**

Figure: 1 µg run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.





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