

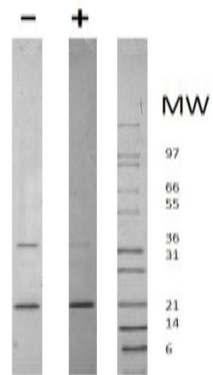
ADIPOQ

Recombinant Human Adiponectin/Acrp30

Catalog No.	CRA025A CRA025B CRA025C CRA025D	Quantity:	5 µg 25 µg 1.0 mg 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:	<i>E. coli</i>		
Molecular Weight:	Monomer, 16.7 kDa (145 aa)		
Formulation:	Lyophilized from a sterile solution containing 10 mM sodium phosphate, 0.75 mM DTT, pH 8.0, at a concentration of 100 µg/mL.		
Purity:	≥ 90% by reducing and non-reducing SDS-PAGE,		
Endotoxin Level:	≤ 1 EU/µg		
Physical Appearance:	Sterile filtered white lyophilized (freeze-dried) powder.		
Biological Activity:	ED50 ≤ 2.0 µg/mL; ≥ 500 units/mg Inhibition of M1 Cell Proliferation		
Amino Acid Sequence:	MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPGLYY FAYHITVYMK DVKVSFLFKK KAMLFTYDQY QENNVQDQASG SVLLHLEVGD QVWLQVYGE ERNGLYADND NDSTFTGFLL YHDTN		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water 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 μ g run under (+) reducing conditions and (-) non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue.



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