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## ADIPOQ Recombinant Human Globular Adiponectin / gACRP30

Catalog No.	CRA025A	Quantity: 5 µg	
	CRA025B	25 µg	
		1.0 mg	
Alternate Names:	Adipocyte complement-related protein, Gelatin-bin protein	ated 30 kDa protein, Acrp30, 30 kDa adipocyte comp ding protein, Adipocyte, C1q and collagen domain-co	lement- ontaining
Description:	Adiponectin is a 30 kDa m tissue, although other tissu adiponectin comprises 244 region (amino acids from 1 homologous with collagen C1q-like globular domain ( adiponectin is a 247 amino into the bloodstream as the (140 kDa), and a HMW (30 monomeric form of adipon Globular adiponectin, the g protein by naturally occurri relatively high concentratio hyperglycemia, insulin resi through receptors, AdipoR HMW forms of adiponectin	ultimeric protein and is secreted mainly by white adip es express low levels of adiponectin too. Full-length amino acid residues, including a N-terminal hyper-va –18), followed by a collagen-like domain structurally VIII and X, consisting of 22 Gly-XY repeats, and a C- amino acids from 108–244). In contrast to humans, m acid long protein. Adiponectin is secreted from adipo ee oligomeric complexes, including trimer (67 kDa), h 0 kDa) multimer comprising of at least 18 monomers ectin is undetectable in native conditions.	ose human ariable terminal nouse ocytes hexamer s. The ull-length ected at a ole in ignals ric and
UniProt ID:	Q15848		
Gene ID:	9370		
Source:	E. coli		
Molecular Weight:	16.7 kDa (145 aa) monom	er	
Formulation:	Lyophilized from a sterile-f 0.5 mM DTT, pH 7.5	Itered aqueous solution containing 10 mM sodium ph	nosphate,
Purity:	$\geq$ 90% by reducing and no	n-reducing SDS-PAGE,	
Endotoxin Level:	$\leq$ 1 EU/µg by kinetic LAL		
<b>Biological Activity:</b>	$ED_{50} \le 2.0 \ \mu g/ml$ , determir	ed by inhibition of M1 cell proliferation.	
Specific Activity:	≥ 500 units/mg		
Amino Acid Sequence:	MKGEPGEGAY VYRSAFS FHCNIPGLYY FAYHITVY SVLLHLEVGD QVWLQVY	WGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK MK DVKVSLFKKD KAMLFTYDQY QENNVDQASG GEG ERNGLYADND NDSTFTGFLL YHDTN	

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Reconstitution:Centrifuge vial prior to opening. Add sterile 10 mM sodium phosphate, 0.5 mM DTT,<br/>pH 7.5 to a concentration of 0.1 mg/ml and gently pipette the solution up and down the<br/>sides of the vial. DO NOT VORTEX. Allow several minutes for reconstitution.Storage & Stability:Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare<br/>working alignets and store at -20°C to -80°C. It is recommended that a carrier protein

working aliquots and store at -20°C to -80°C for up to 1 year. Opon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. Avoid repeated freeze-thaw cycles.





Human gACRP-30 Figure: 1 ug in each lane (-) nonreducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human gACRP-30 has a predicted MW of 16.7 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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