
Product Data Sheet

Product Name: C1QTNF1 Human
 Cat. No.: GP22930
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	GIP; CTRP1; ZSIG37; FLJ90694; C1QTNF1; Complement C1q Tumor Necrosis Factor-Related Protein 1; G protein-coupled receptor-interacting protein.		
Amino Acid Sequence	MKHHHHHHASRVPHVQGEQQ EWEGTEELPS PPDHAERAE QHEKYRPSQD QGLPASRCLR CCDPGTSMYP ATAVPQINIT ILKGEKGRG DRGLQGKYGK TGSAGARGHT GPKGQKGS MG APGERCKSHY AAFSVGRKKP MHSNHYYQTV IFDTEFVNLY DHFNMFTGKF YCYVPGLYFF SLNVHTWNQK ETYLHIMKNE EEVILFAQV GDRSIMQSQS LMLELREQDQ VVVRLYKGER ENAIFSEELD TYITFSGYLVKHATEP.		
Solubility	Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 μ g/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	Human C1QTNF1 was lyophilized from 50mM Acetate Buffer pH-4.		

Introduction

C1QTNF1 is a novel adipokine, providing a significant framework to further address the physiological functions and mechanisms of the action of this family of secreted glycoproteins in normal and disease states. C1QTNF1 increases the production of aldosterone. C1QTNF1 is vastly expressed in obese subjects as well as up-regulated in hypertensive patients, C1QTNF1 is identified molecular link between obesity and hypertension. C1QTNF1 expression may be associated with a low-grade chronic

Caution: Product has not been fully validated for medical applications. For research use only.

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inflammation status in adipose tissues.

Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

C1QTNF1 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 266 amino acids and having a molecular mass of 30.45 kDa. The protein contains an extra His tag at N-terminus. The C1QTNF1 amino acid sequence is identical to UniProtKB/Swiss-Prot entry Q9BXJ1 amino acids 26–281. The C1QTNF1 is purified by proprietary chromatographic techniques.

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