



Product Datasheet

Product Name	Complement C1q Tumor Necrosis Factor-Related Protein 1 Human Recombinant
Cata No	CB501510
Source	<i>Escherichia Coli.</i>
Synonyms	GIP, CTRP1, ZSIG37, FLJ90694, C1QTNF1, Complement C1q Tumor Necrosis Factor-Related Protein 1, G protein-coupled receptor-interacting protein.

Description

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 inflammation status in adipose tissues.

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.

Purity

Greater than 95% as determined by SDS PAGE.

Formulation

Human C1QTNF1 was lyophilized from 50mM Acetate Buffer pH-4.

Reconstitution

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 10µg/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.

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. The lyophilized protein remains stable until the expiry date when stored at -20°C.

Sequence

MKHHHHHHAS RVPHVQGEQQ EWEGTEELPS
PPDHAERAE QHEKYRPSQD QGLPASRCLR
CCDPGTSMP ATAVPQINIT ILKGEKGDRG
DRGLQGKYGK TGSAGARGHT GPKGQKGSMD
APGERCKSHY AAFSVGRKKP MHSNHYYQTV
IFDTEFVNLY DHFNMFTGKF YCYVPGLYFF
SLNVHTWNQK ETYLHIMKNE EEVILFAQV
GDRSIMQSQS LMLELREQDQ VVVRLYKGER
ENAIFFSEELD TYITFSGYLVKHATEP.

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