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Datasheet for ABIN1096167
C1QTNF1 Protein (AA 26-281) (His tag)

Overview

Quantity:	50 µg
Target:	C1QTNF1
Protein Characteristics:	AA 26-281
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C1QTNF1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human C1qTNF1/CTRP1 (C-6His)
Sequence:	RVPHVQGEQQ EWEGTEELPS PPDHAERAEE QHEKYRPSQD QGLPASRCLR CCDPGTSMYP ATAVPQINIT ILKGEKGDRG DRGLQGKYGK TGSAGARGHT GPKGQKGSMD APGERCKSHY AAFSVGRKKP MHSNHYYQTV IFDTEFVNLY DHFNMFTGKF YCYVPGLYFF SLNVHTWNQK ETYLHIMKNE EEVILFAQV GDRSIMQSQS LMLELREQDQ VVWRLYKGER ENAIFSEELD TYITFSGYLV KHATEPVDHH HHHH
Characteristics:	Recombinant Human Complement C1q Tumor Necrosis Factor-Related Protein 1/C1QTNF1 produced by transfected human cells is a secreted protein with sequence (Arg26-Pro281) of Human C1QTNF1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	C1QTNF1
Alternative Name:	c1qtnf1 (C1QTNF1 Products)
Sub Type:	Fusionprotein
Background:	<p>C1QTNF1 is a secreted protein, <i>contains 1 C1q domain and 1 collagen-like domain. C1qTNF proteins constitute a highly conserved family of Acrp30/Adiponectin paralogs that share a modular organization comprising an N-terminal signal peptide, a short variable region, a collagenous domain and a C-terminal globular domain. C1qTNF proteins are predicted to have trimeric structures that assemble into hexameric and higher order molecular forms. 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.</i></p> <p>Alternative Names: Complement C1q Tumor Necrosis Factor-Related Protein 1, G Protein-Coupled Receptor-Interacting Protein, GIP, C1QTNF1, CTRP1</p>
Molecular Weight:	30.24 kDa
UniProt:	Q9BXJ1

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

Handling

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months