

Datasheet for ABIN7318213

C1QTNF1 Protein (His tag)

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	C1QTNF1
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 Protein (His Tag)
Sequence:	Arg26-Pro281
Characteristics:	Recombinant Human Complement C1q and Tumor Necrosis Factor-Related Protein 1 is produced by our Mammalian expression system and the target gene encoding Arg26-Pro281 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	C1QTNF1
Alternative Name:	C1qTNF1/CTRP1 (C1QTNF1 Products)
Background:	Background: C1QTNF1 is a secreted protein, contains 1 C1q domain and 1 collagen-like domain. C1qTNF proteins constitute a highly conserved family of Acrp30/Adiponectin paralogs that

Target Details

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.

Synonym: Complement C1q Tumor Necrosis Factor-Related Protein 1, G Protein-Coupled Receptor-Interacting Protein, GIP, C1QTNF1, CTRP1

Molecular Weight: 30.2 kDa

UniProt: [Q9BXJ1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.