

C1QTNF1/CTRP1 Protein, Human (HEK293, His)

Cat. No.:	HY-P7693
Synonyms:	rHuC1QTNF1/CTRP1, His; Complement C1q Tumor Necrosis Factor-Related Protein 1; C1QTNF1; CTRP1
Species:	Human
Source:	HEK293
Accession:	Q9BXJ1 (R26-P281)
Gene ID:	114897
Molecular Weight:	Approximately 37 kDa

PROPERTIES

AA Sequence	<pre> R V P H V Q G E Q Q E W E G T E E L P S P P D H A E R A E E Q H E K Y R P S Q D Q G L P A S R C L R C C D P G T S M Y P A T A V P Q I N I T I L K G E K G D R G D R G L Q G K Y G K T G S A G A R G H T G P K G Q K G S M G A P G E R C K S H Y A A F S V G R K K P M H S N H Y Y Q T V I F D T E F V N L Y D H F N M F T G K F Y C Y V P G L Y F F S L N V H T W N Q K E T Y L H I M K N E E E V V I L F A Q V G D R S I M Q S Q S L M L E L R E Q D Q V W V R L Y K G E R E N A I F S E E L D T Y I T F S G Y L V K H A T E P H H H H H H </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human BAI3 at 2 µg/mL (100 µL/well) can bind Biotinylated Human C1qTNF1. The ED ₅₀ for this effect is 1.533-7.908 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, 150 mM NaCl, pH 7.2-7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CTRP1 plays an important role in regulating body energy homeostasis and sensitivity to insulin. High levels of circulating CTRP1 are associated with metabolic syndrome, congestive heart disease, and hypertension ^[1] .
-------------------	--

REFERENCES

- [1]. Joanna Dorota Janowska. C1q/TNF-related Protein 1, a Multifunctional Adipokine: An Overview of Current Data. Am J Med Sci. 2020 Sep;360(3):222-228.
- [2]. Linhui Shen, et al. Association of C1q/TNF-related protein-1 (CTRP1) serum levels with coronary artery disease. J Int Med Res. 2019 Jun; 47(6): 2571-2579.
-

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA