

C1qTNF1/CTRP1 recombinant protein

Recombinant Human C1qTNF1/CTRP1 Protein(C-6His)

CATALOG #
AAA174007

HOST
Human Cells

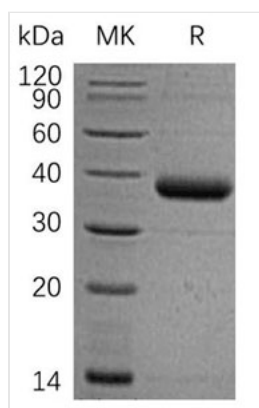
PRODUCT SYNONYMS

C1qTNF1/CTRP1; Recombinant Human C1qTNF1/CTRP1 Protein(C-6His); Complement C1q Tumor Necrosis Factor-Related Protein 1; G Protein-Coupled Receptor-Interacting Protein; GIP; C1QTNF1; CTRP1; C1qTNF1/CTRP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 ?m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Sequence Positions	Arg26-Pro281
Species	Human
Endotoxin	<1.0 EU per ug as determined by the LAL method.
Tag	C-6His
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water(200ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	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? for 2-7 days. Aliquots of reconstituted samples are stable at < -20? for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for C1qTNF1/CTRP1 recombinant protein	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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13569944
NCBI GeneID	114897
NCBI Accession #	NP_112230.1
NCBI GenBank Nucleotide #	NM_030968.4
UniProt Accession #	Q9BXJ1; Q6ZMH6; Q96NF2; Q9GZR4
Molecular Weight	Molecular Mass: 30.2 kDa Actual Protein Molecular Mass: 37 kDa
NCBI Official Full Name	complement C1q tumor necrosis factor-related protein 1 isoform 1
NCBI Official Synonym Full Names	C1q and TNF related 1
NCBI Official Symbol	C1QTNF1
NCBI Official Synonym Symbols	GIP; CTRP1; ZSIG37
NCBI Protein Information	complement C1q tumor necrosis factor-related protein 1
UniProt Protein Name	Complement C1q tumor necrosis factor-related protein 1
UniProt Gene Name	C1QTNF1
UniProt Synonym Gene Names	CTRP1; GIP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.