CTRP1 Blocking Peptide

PRODUCT OVERVIEW

Product Name	CTRP1 (C1QTNF1), Blocking Peptide
Full Product Name	CTRP1 Peptide
Product Gene Name	C1QTNF1 blocking peptide
Product Synonym Names	GIP; CTRP1; ZSIG37; UNQ310/PRO353; Complement C1q tumor necrosis factor-related protein 1; G protein-coupled receptor-interacting protein; GIP; C1q and tumor necrosis factor related protein 1
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store CTRP1 peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	CTRP1 peptide (MBS152035) is used for blocking the activity of CTRP1 antibody (MBS150539)
Molecular Weight	32,760 Da
OMIM	610365
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	15 amino acids near the amino terminus of human CTRP1.
Applications Tested/Suitable for C1QTNF1 blocking peptide	Blocking (BL)
Application Notes for C1QTNF1 blocking peptide	CTRP1 peptide is used for blocking the activity of CTRP1 antibody.
Related Product Information for C1QTNF1 blocking peptide	MBS152035 is a blocking peptide targeting C1QTNF1. Also known as CTRP1 Peptide.
Other Notes	Small volumes of C1QTNF1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1QTNF1. It may not necessarily be applicable to this product.

NCBI GI #	38372917
NCBI GeneID	114897
NCBI Accession #	NP_940995
UniProt Primary Accession #	Q9BXJ1
UniProt Secondary Accession #	Q6ZMH6; Q96NF2; Q9GZR4
UniProt Related Accession #	Q9BXJ1
GenBank Nucleotide #	NM_198593.3
NCBI Official Full Name	complement C1q tumor necrosis factor-related protein 1 isoform 1

NCBI Official Synonym Full Names	C1q and tumor necrosis factor related protein 1
NCBI Official Symbol	C1QTNF1
NCBI Official Synonym Symbols	GIP; CTRP1; ZSIG37
UniProt Protein Name	Complement C1q tumor necrosis factor-related protein 1
UniProt Synonym Protein Names	G protein-coupled receptor-interacting protein; GIP
Protein Family	Complement C1q tumor necrosis factor-related protein
UniProt Gene Name	C1QTNF1
UniProt Synonym Gene Names	CTRP1; GIP
UniProt Entry Name	C1QT1_HUMAN
NCBI Protein Information	complement C1q tumor necrosis factor-related protein 1; G protein coupled receptor interacting protein; g protein-coupled receptor-interacting protein
UniProt Comments for C1QTNF1	C1QTNF1: 2 isoforms of the human protein are produced by alternative splicing Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: extracellular space; collagen; integral to plasma membrane Molecular Function: collagen binding; protein binding Biological Process: positive regulation of protein kinase B signaling cascade; elevation of cytosolic calcium ion concentration; positive regulation of MAPKKK cascade; protein homooligomerization
Research Articles on C1QTNF1	**1.** Increased plasma CTRP1 was independently associated with type 2 diabetes. Profiling of plasma adipokines such as CTRP1 is particularly important to obtain a greater understanding of their contribution to the type 2 diabetic state.
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