Complement C1q Tumor Necrosis Factor-Related Protein 1 (C1QTNF1) ELISA Kit for Human

PRODUCT OVERVIEW

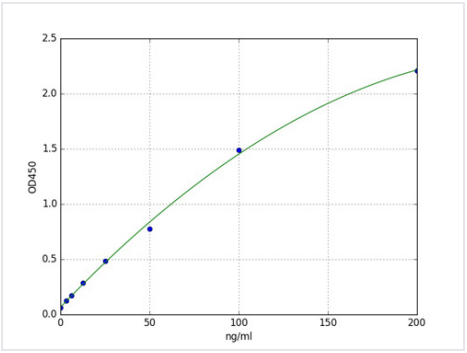
Product Name	Complement C1q tumor necrosis factor-related protein 1 (C1QTNF1), ELISA Kit
Full Product Name	Human Complement C1q tumor necrosis factor-related protein 1 ELISA Kit
Product Gene Name	C1QTNF1 elisa kit
Product Synonym Names	C1QTNF1/Complement C1q tumor necrosis factor-related protein 1/G protein-coupled receptor-interacting protein/GIP/UNQ310/PRO353/CTRP1/C1q and tumor necrosis factor related protein 1
Species Reactivity	Human
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C
Molecular Weight	32,760 Da
OMIM	610365
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for C1QTNF1 elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human C1QTNF1antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human C1QTNF1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human C1QTNF1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration ofHuman C1QTNF1can be calculated.
Other Notes	Small volumes of C1QTNF1 elisa kit 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.
Searchable Terms for C1QTNF1 purchase	MBS760084 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Complement C1q tumor necrosis factor-related protein 1 (C1QTNF1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing C1QTNF1. The ELISA analytical biochemical technique of the MBS760084 kit is based on C1QTNF1 antibody-C1QTNF1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect C1QTNF1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, C1QTNF1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

Typical Data & Standard Curve

Results of a typical standard run of a Human C1QTNF1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.011	0.125	0.235	0.446	0.827	1.425	1.870	2.292

Typical Testing Data of C1QTNF1 elisa kit



Typical Standard Curve of C1QTNF1 elisa kit

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_940995.1
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
UniProt Comments for C1QTNF1	C1QTNF1: 2 isoforms of the human protein are produced by alternative splicing Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 17q25.3 Cellular Component: collagen; cytosol; extracellular space; integral to plasma membrane Molecular Function: collagen binding; protein binding Biological Process: elevation of cytosolic calcium ion concentration; positive regulation of MAPKKK cascade; positive regulation of protein kinase B signaling cascade; protein homooligomerization
Research Articles on C1QTNF1	**1.** the strong association of CTRP1 with insulin resistance in NAFLD

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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