C1QL2 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	C1QL2, Blocking Peptide
Full Product Name	C1QL2 Blocking Peptide
Product Gene Name	C1QL2 blocking peptide
Product Synonym Names	C1q and tumor necrosis factor related protein 10; C1q domain containing protein; C1QL2; C1QL2_HUMAN; C1QTNF10; Complement C1q-like protein 2; Complement component 1, q subcomponent-like 2; CTRP10; gliacolin like
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	C1QL2 peptide (MBS9624133) is used for blocking the activity of C1QL2 antibody (MBS9605416)
Molecular Weight	29,468 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (119913819..119916471, complement). Location: 2q14.2
OMIM	614330
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for C1QL2 blocking peptide	Blocking/Control
Related Product Information for C1QL2 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of C1QL2 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.
Searchable Terms for C1QL2 purchase	MBS9624133 is a blocking peptide targeting C1QL2.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C1QL2. It may not necessarily be applicable to this product.

NCBI GI #	154937344
NCBI GeneID	165257
NCBI Accession #	NP_872334.2
UniProt Primary Accession #	Q7Z5L3

UniProt Related Accession #	Q7Z5L3
GenBank Nucleotide #	NM_182528.3
NCBI Official Full Name	complement C1q-like protein 2
NCBI Official Synonym Full Names	complement component 1, q subcomponent-like 2
NCBI Official Symbol	C1QL2
NCBI Official Synonym Symbols	CTRP10; C1QTNF10
UniProt Protein Name	Complement C1q-like protein 2
Protein Family	Complement C1q-like protein
UniProt Gene Name	C1QL2
UniProt Synonym Gene Names	CTRP10
UniProt Entry Name	C1QL2_HUMAN
NCBI Protein Information	complement C1q-like protein 2; C1q-domain containing protein; C1q and tumor necrosis factor related protein 10
UniProt Comments for C1QL2	C1QL2: May regulate the number of excitatory synapses that are formed on hippocampus neurons. Has no effect on inhibitory synapses. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 2q14.2 Cellular Component: collagen; extracellular region Molecular Function: identical protein binding Biological Process: protein oligomerization
Research Articles on C1QL2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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Online datasheet: https://www.mybiosource.com/blocking-peptide/c1ql2/9624133