TRPC6 Blocking Peptide

PRODUCT OVERVIEW

Product Name	TRPC6, Blocking Peptide
Full Product Name	TRPC6 Blocking Peptide
Product Gene Name	TRPC6 blocking peptide
Product Synonym Names	bZ1P14.9; FLJ11098; FLJ14863; FSGS2; MTRP6; Short transient receptor potential channel 6; si:rp71-1p14.9; Transient receptor potential cation channel subfamily C member 6; Transient receptor protein 6; TRP 6; TRP-6; TRP6; TRPC 6; Trpc6; TRPC6_HUMAN; TRRP6
Antibody/Peptide Pairs	TRPC6 peptide (MBS9631480) is used for blocking the activity of TRPC6 antibody (MBS9629097)
Molecular Weight	Predicted: 100; 102 kDa Observed: 93 kDa
OMIM	gene 603965
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.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TRPC6 blocking peptide	MBS9631480 is a blocking peptide targeting TRPC6.
Other Notes	Small volumes of TRPC6 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 TRPC6. It may not necessarily be applicable to this product.

NCBI GI #	62739910
NCBI GeneID	7225
NCBI Accession #	AAH93658
UniProt Primary Accession #	Q9Y210
UniProt Secondary Accession #	Q52M59; Q9HCW3; Q9NQA8; Q9NQA9
UniProt Related Accession #	Q9Y210
NCBI Official Full Name	Transient receptor potential cation channel, subfamily C, member 6
NCBI Official Synonym Full Names	transient receptor potential cation channel, subfamily C, member 6
NCBI Official Symbol	TRPC6
NCBI Official Synonym Symbols	TRP6; FSGS2
UniProt Protein Name	Short transient receptor potential channel 6
UniProt Synonym Protein Names	Transient receptor protein 6; TRP-6
Protein Family	Short transient receptor potential channel

UniProt Gene Name	TRPC6
UniProt Synonym Gene Names	TRP6; TrpC6; TRP-6
UniProt Entry Name	TRPC6_HUMAN
NCBI Protein Information	short transient receptor potential channel 6; TRP-6; transient receptor protein 6; focal segmental glomerulosclerosis 2
NCBI Summary for TRPC6	The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2). [provided by RefSeq, Mar 2009]
UniProt Comments for TRPC6	TRPC6: Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C. Seems not to be activated by intracellular calcium store depletion. Interacts with MX1 and RNF24. Expressed primarily in placenta, lung, spleen, ovary and small intestine. Expressed in podocytes and is a component of the glomerular slit diaphragm. Belongs to the transient receptor (TC 1.A.4) family. STrpC subfamily. TRPC6 sub-subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Channel, cation; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 11q22.1 Cellular Component: plasma membrane; integral to membrane Molecular Function: protein binding; store-operated calcium channel activity Biological Process: positive regulation of ion transmembrane transporter activity; platelet activation; axon guidance; elevation of cytosolic calcium ion concentration; blood coagulation; positive regulation of calcium ion transport; transmembrane transport; cation transport; aging Disease: Focal Segmental Glomerulosclerosis 2
Research Articles on TRPC6	**1.** TRPC6 activation and inactivation are regulated by PI(4,5)P2 hydrolysis.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/blocking-peptide/trpc6/9631480