CLIC2 Blocking Peptide

PRODUCT OVERVIEW

Product Name	CLIC2, Blocking Peptide
Full Product Name	CLIC2 Peptide
Product Gene Name	CLIC2 blocking peptide
Product Synonym Gene Name	CLIC2b; XAP121
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	CLIC2 peptide (MBS3227389) is used for blocking the activity of CLIC2 antibody (MBS3202411)
Molecular Weight	27kDa
OMIM	300138
Product Categories/Family for CLIC2 blocking peptide	Peptide
Applications Tested/Suitable for CLIC2 blocking peptide	Western Blot (WB)
Related Product Information for CLIC2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-CLIon Channel2 antibody made Target Description: Chloride intracellular channel 2 is a member of the p64 family, a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. CLIon Channel 2 encodes a protein that is detected in fetal liver and adult skeletal muscle tissue. CLIon Channel2 maps to the candidate region on chromosome X for incontinentia pigmenti.
Other Notes	Small volumes of CLIC2 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 CLIC2 purchase	MBS3227389 is a blocking peptide targeting CLIC2. Also known as CLIC2 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLIC2. It may not necessarily be applicable to this product.

NCBI GI #	66346733
NCBI GeneID	1193
NCBI Accession #	NP_001280
UniProt Primary Accession #	O15247
UniProt Related Accession #	O15247
GenBank Nucleotide #	NM_001289
NCBI Official Full Name	chloride intracellular channel protein 2
NCBI Official Synonym Full Names	chloride intracellular channel 2
NCBI Official Symbol	CLIC2

NCBI Official Synonym Symbols	CLIC2b; MRXS32; XAP121
UniProt Protein Name	Chloride intracellular channel protein 2
UniProt Synonym Protein Names	XAP121
Protein Family	Chloride intracellular channel protein
UniProt Gene Name	CLIC2
UniProt Entry Name	CLIC2_HUMAN
NCBI Protein Information	chloride intracellular channel protein 2
NCBI Summary for CLIC2	This gene encodes a chloride intracellular channel protein. Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. This protein plays a role in inhibiting the function of ryanodine receptor 2. A mutation in this gene is the cause of an X-linked form of cognitive disability. [provided by RefSeq, Jul 2017]
UniProt Comments for CLIC2	CLIC2: Can insert into membranes and form chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Modulates the activity of RYR2 and inhibits calcium influx. Belongs to the chloride channel CLIC family. Protein type: Channel, chloride; Membrane protein, integral Chromosomal Location of Human Ortholog: Xq28 Cellular Component: cytoplasm; intracellular; nucleus Molecular Function: chloride channel activity; protein binding; glutathione transferase activity; voltage-gated ion channel activity; glutathione peroxidase activity Biological Process: transport; positive regulation of binding; signal transduction Disease: Mental Retardation, X-linked, Syndromic 32
Research Articles on CLIC2	**1.** We have determined the crystal structure of soluble Clic2 from the euryhaline teleost fish Oreochromis mossambicus. Structural comparison of tilapia and human CLIC2 with other CLICs shows that these proteins are highly conserved.
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/clic2/3227389