CLIC5 Blocking Peptide

PRODUCT OVERVIEW

Product Name	CLIC5, Blocking Peptide
Full Product Name	CLIC5 Blocking Peptide
Product Gene Name	CLIC5 blocking peptide
Product Synonym Names	Chloride intracellular channel 5; Chloride intracellular channel 5A; Chloride intracellular channel protein 5; CLIC 5; CLIC 5B; CLIC5; CLIC5_HUMAN; CLIC5B; dJ447E21.4; FLJ90663; MST 130; MST130; MSTP 130; MSTP130
Antibody/Peptide Pairs	CLIC5 peptide (MBS9631720) is used for blocking the activity of CLIC5 antibody (MBS9629337)
Molecular Weight	22,830 Da
OMIM	607293
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 CLIC5 blocking peptide	MBS9631720 is a blocking peptide targeting CLIC5.
Other Notes	Small volumes of CLIC5 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 CLIC5. It may not necessarily be applicable to this product.

NCBI GI #	82617632
NCBI GeneID	53405
NCBI Accession #	NP_058625.2
UniProt Primary Accession #	Q9NZA1
UniProt Secondary Accession #	Q5T4Z0; Q8NBY3; Q96JT5; Q9BWZ0; B3KUF1
UniProt Related Accession #	Q9NZA1
GenBank Nucleotide #	NM_016929.4
NCBI Official Full Name	chloride intracellular channel protein 5 isoform b
NCBI Official Synonym Full Names	chloride intracellular channel 5
NCBI Official Symbol	CLIC5
NCBI Official Synonym Symbols	MST130; DFNB102; DFNB103; MSTP130
UniProt Protein Name	Chloride intracellular channel protein 5
Protein Family	Chloride intracellular channel protein
UniProt Gene Name	CLIC5
UniProt Entry Name	CLIC5_HUMAN

NCBI Protein Information	chloride intracellular channel protein 5
NCBI Summary for CLIC5	This gene encodes a member of the chloride intracellular channel (CLIC) family of chloride ion channels. The encoded protein associates with actin-based cytoskeletal structures and may play a role in multiple processes including hair cell stereocilia formation, myoblast proliferation and glomerular podocyte and endothelial cell maintenance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
UniProt Comments for CLIC5	CLIC5: Can insert into membranes and form poorly selective ion channels that may also transport chloride ions. May play a role in the regulation of transepithelial ion absorption and secretion. Required for normal formation of stereocilia in the inner ear and normal development of the organ of Corti. Is required for the development and/or maintenance of the proper glomerular endothelial cell and podocyte architecture. Belongs to the chloride channel CLIC family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Membrane protein, integral Chromosomal Location of Human Ortholog: 6p12.3 Cellular Component: Golgi apparatus; stereocilium; microtubule organizing center; cell cortex; actin cytoskeleton Molecular Function: protein binding; chloride channel activity; voltage-gated ion channel activity Biological Process: diet induced thermogenesis; protein localization; sensory perception of sound; transport; chloride transport; auditory receptor cell stereocilium organization and biogenesis; female pregnancy; neuromuscular process controlling balance Disease: Deafness, Autosomal Recessive 103
Research Articles on CLIC5	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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