# CLCC1 Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | CLCC1, Blocking Peptide |
| **Full Product Name** | CLCC1 Peptide |
| **Product Gene Name** | CLCC1 blocking peptide |
| **Product Synonym Gene Name** | KIAA0761; MCLC; RP11-475E11.6 |
| **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** | CLCC1 peptide (MBS3232575) is used for blocking the activity of CLCC1 antibody (MBS3207610) |
| **Molecular Weight** | 61kDa |
| **Product Categories/Family for CLCC1 blocking peptide** | Peptide |
| **Applications Tested/Suitable for CLCC1 blocking peptide** | Immunohistochemistry (IHC), Western Blot (WB) |
| **Related Product Information for CLCC1 blocking peptide** | This is a synthetic peptide designed for use in combination with anti-CLCC1 antibody made<br><br>Target Description: CLCC1 seems to act as a chloride ion channel. |
| **Other Notes** | Small volumes of CLCC1 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 CLCC1 purchase** | MBS3232575 is a blocking peptide targeting CLCC1. Also known as CLCC1 Peptide. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CLCC1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 115270970 |
| **NCBI GeneID** | 23155 |
| **NCBI Accession #** | NP_001041675 |
| **UniProt Primary Accession #** | Q96S66 |
| **UniProt Related Accession #** | Q96S66 |
| **GenBank Nucleotide #** | NM_001048210 |
| **NCBI Official Full Name** | chloride channel CLIC-like protein 1 isoform 1 |
| **NCBI Official Synonym Full Names** | chloride channel CLIC like 1 |
| **NCBI Official Symbol** | CLCC1 |
| **NCBI Official Synonym Symbols** | MCLC |
| **UniProt Protein Name** | Chloride channel CLIC-like protein 1 |
| **UniProt Synonym Protein Names** | Mid-1-related chloride channel protein 1 |

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| **Protein Family** | Chloride channel CLIC-like protein |
| **UniProt Gene Name** | CLCC1 |
| **UniProt Synonym Gene Names** | KIAA0761; MCLC |
| **UniProt Entry Name** | CLCC1_HUMAN |
| **NCBI Protein Information** | chloride channel CLIC-like protein 1 |
| **UniProt Comments for CLCC1** | CLCC1: Seems to act as a chloride ion channel. Belongs to the chloride channel MCLC family. 4 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Endoplasmic reticulum; Channel, chloride; Membrane protein, multi-pass; Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 1p13.3<br><br>Cellular Component: Golgi apparatus; membrane; intracellular membrane-bound organelle; endoplasmic reticulum; nucleus<br><br>Molecular Function: chloride channel activity |
| **Research Articles on CLCC1** | **1.** Intracellular chloride transport by CLCC1 is a critical process in maintaining retinal integrity, and CLCC1 is crucial for survival and function of retinal cells. |
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