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CLCN5 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20002a

Specification

CLCN5 Blocking Peptide (N-term) - Product Information

Primary Accession	P51795
Other Accession	P51796, Q9TTU3, Q9GKE7, Q9WVD4, NP_000075.1

CLCN5 Blocking Peptide (N-term) - Additional Information

Gene ID 1184

Other Names
H(+)/Cl(-) exchange transporter 5, Chloride channel protein 5, ClC-5, Chloride transporter ClC-5, CLCN5, CLCK2

Target/Specificity
The synthetic peptide sequence is selected from aa 30-41 of HUMAN CLCN5

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CLCN5 Blocking Peptide (N-term) - Protein Information

Name CLCN5 (HGNC:2023)

Synonyms CLCK2

Function
Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons (PubMed:20466723). Important for normal acidification of the endosome lumen. May play an important role in renal tubular function. The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons. The absence of conserved gating glutamate residues is typical for family members that function as channels (Probable).

Cellular Location
Golgi apparatus membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass

membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location
Kidney. Moderately expressed in aortic vascular smooth muscle and endothelial cells, and at a slightly higher level in the coronary vascular smooth muscle.

CLCN5 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CLCN5 Blocking Peptide (N-term) - Images

CLCN5 Blocking Peptide (N-term) - Background

This gene encodes a member of the ClC family of chloride ion channels and ion transporters. Mutations in this gene have been found in Dent disease and renal tubular disorders complicated by nephrolithiasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

CLCN5 Blocking Peptide (N-term) - References

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