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CLIC1 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20511c

Specification

CLIC1 Blocking Peptide (Center) - Product Information

Primary Accession O00299

CLIC1 Blocking Peptide (Center) - Additional Information

Gene ID 1192

Other Names
Chloride intracellular channel protein 1, Chloride channel ABP, Nuclear chloride ion channel 27, NCC27, Regulatory nuclear chloride ion channel protein, hRNCC, CLIC1, G6, NCC27

Target/Specificity
The synthetic peptide sequence is selected from aa 155-166 of Human CLIC1

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.

CLIC1 Blocking Peptide (Center) - Protein Information

Name CLIC1

Synonyms G6, NCC27

Function
Can insert into membranes and form

CLIC1 Blocking Peptide (Center) - Background

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. Involved in regulation of the cell cycle.

CLIC1 Blocking Peptide (Center) - References

Xie T., et al. Genome Res. 13:2621-2636(2003).
Shiina S., et al. Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Valenzuela S.M., et al. J. Biol. Chem. 272:12575-12582(1997).
Noh Y.H., et al. Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
Chuang J.Z., et al. J. Neurosci. 19:2919-2928(1999).

chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Involved in regulation of the cell cycle.

Cellular Location
Nucleus. Nucleus membrane; Single-pass membrane protein. Cytoplasm. Cell membrane; Single-pass membrane protein. Note=Mostly in the nucleus including in the nuclear membrane (PubMed:9139710, PubMed:12681486). Small amount in the cytoplasm and the plasma membrane (PubMed:9139710). Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain (PubMed:11940526, PubMed:11551966, PubMed:14613939).

Tissue Location
Expression is prominent in heart, placenta, liver, kidney and pancreas.

CLIC1 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides