

CLIC1 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20511c**Specification**

CLIC1 Blocking Peptide (Center) - Product InformationPrimary 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 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. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q6MG61}. 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, PubMed:12681486, PubMed:9139710). Might not be present in the nucleus of

cardiac cells (By similarity) {ECO:0000250|UniProtKB:Q6MG61, ECO:0000269|PubMed:11551966, ECO:0000269|PubMed:11940526, ECO:0000269|PubMed:12681486, ECO:0000269|PubMed:14613939, ECO:0000269|PubMed:9139710}

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](#)

CLIC1 Blocking Peptide (Center) - Images**CLIC1 Blocking Peptide (Center) - Background**

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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).
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Chuang J.Z., et al. J. Neurosci. 19:2919-2928(1999).