

CLIC2 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21857c**Specification**

CLIC2 Blocking Peptide (Center) - Product Information

Primary Accession [O15247](#)
Other Accession [Q5M883](#)

CLIC2 Blocking Peptide (Center) - Additional Information

Gene ID 1193

Other Names

Chloride intracellular channel protein 2, XAP121, CLIC2

Target/Specificity

The synthetic peptide sequence is selected from aa 125-137 of HUMAN CLIC2

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.

CLIC2 Blocking Peptide (Center) - Protein Information

Name CLIC2 {ECO:0000303|PubMed:9339381, ECO:0000312|HGNC:HGNC:2063}

Function

In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with reduced glutathione as electron donor. Displays weak glutathione peroxidase activity (Probable) (PubMed:25581026). Can insert into membranes and form chloride ion channels. Membrane insertion seems to be redox-regulated and may occur only under oxidizing conditions. Modulates the activity of RYR2 and inhibits calcium influx.

Cellular Location

Cytoplasm. Membrane; Single-pass membrane protein. Note=Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain

Tissue Location

Expressed in adult and fetal brain, heart, skeletal muscle, liver, lung, and spleen. Detected in adult stomach and testis Expressed in fetal thymus and kidney.

CLIC2 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

CLIC2 Blocking Peptide (Center) - Images

CLIC2 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. Modulates the activity of RYR2 and inhibits calcium influx.

CLIC2 Blocking Peptide (Center) - References

Heiss N.S.,et al.Genomics 45:224-228(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Fan L.,et al.FEBS Lett. 540:77-80(2003).