abcam

Product datasheet

Recombinant Human CLIC2 protein ab106875

1 Image

Description

Product name	Recombinant Human CLIC2 protein
Purity	> 95 % SDS-PAGE. ab106875 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	O15247
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSH**MSGLRPGTQVDPEIELFV KAGSDGESIGNC PFCQRLFMILWLKGVKFNVTTVDMTRKPEELKDLAPGTNP PFLVYNKELK TDFIKIEEFLEQTLAPPRYPHLSPKYKESFDVGCNLFAKFS AYIKNTQKE ANKNFEKSLLKEFKRLDDYLNTPLLDEIDPDSAEEPPVSR RLFLDGDQLT LADCSLLPKLNIIKVAAKKYRDFDIPAEFSGVWRYLHNAYA REEFTHTCP EDKEIENTYANVAKQKS
Predicted molecular weight	31 kDa including tags
Amino acids	1 to 247
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab106875** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

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. Modulates the activity of RYR2 and inhibits calcium influx.

Tissue specificity

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

Sequence similarities

Belongs to the chloride channel CLIC family.
Contains 1 GST C-terminal domain.

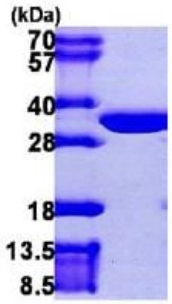
Domain

Members of this family may change from a globular, soluble state to a state where the N-terminal domain is inserted into the membrane and functions as chloride channel. A conformation change of the N-terminal domain is thought to expose hydrophobic surfaces that trigger membrane insertion.

Cellular localization

Cytoplasm. Membrane. Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain.

Images



SDS-PAGE - Recombinant Human CLIC2 protein (ab106875)

15% SDS-PAGE analysis of 3 µg ab106875.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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