

Chloride Intracellular Channel 4

Human, CLIC4

Expressed in *E.Coli*

Cat. No. CBCRY20

Lot. No. (See product label)

BACKGROUND

Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. Chloride intracellular channel 4 (CLIC4) protein, encoded by the CLIC4 gene, is a member of the p64 family; the gene is expressed in many tissues and exhibits a intracellular vesicular pattern in Panc-1 cells (pancreatic cancer cells).

MOLECULAR DESCRIPTION

Protein classification: Transport protein

Structure Weight: 89641.50 Da

Polymer: 1

Molecule: Chloride intracellular channel protein 4

Chains: A, B, C

Type: polypeptide (L)

Chain Length: 261 amino acids

CRYSTAL INFORMATION

PDB ID: [2D2Z](#)

MMDB ID: [39169](#)

Source: E.Coli

Method: X-Ray Diffraction

Resolution: 2.8 Å

PRIMARY CITATION

Li, Y.F., Li, D.F., Zeng, Z.H., Wang, D.C. (2006) Trimeric structure of the wild soluble chloride intracellular ion channel CLIC4 observed in crystals *Biochem.Biophys.Res.Commun.* 343: 1272-1278

FOR RESEARCH USE ONLY

CRYSTAL STRUCTURE



GENE INFORMATION

Gene Name: [CLIC4](#)

Synonyms: CLIC4L; DKFZp566G223; FLJ38640; H1; MTCLIC; huH1; p64H1; OTTHUMP0000003380; chloride intracellular channel 4 like; Intracellular chloride ion channel protein p64H1

UniProt ID: [Q9Y696](#)

GeneID: [25932](#)

Chromosome Location: 1p36.11

Function: chloride ion binding; protein binding; voltage-gated chloride channel activity; voltage-gated ion channel

Creative Biostructure. All rights reserved.

45-16 Ramsey Road Shirley, NY 11967, USA
Tel: 1-866-588-6325 · Fax: 1-631-207-8356
E-mail: info@creative-biostructure.com
www.creative-biostructure.com