

Chloride intracellular channel 4

Cat. No. CBCRY20 Lot. No. (See product label)

SPECIFICATION

Product Overview

Source	E.coli
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).
Protein Classification	Transport protein
Structure Weight	89641.50 Da
Polymer	1
Molecule	Chloride intracellular channel protein 4
Chain Length	261 amino acids
PDB ID	2D2Z
MMDB ID	39169

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Method	X-Ray Diffraction
Resolution	2.8Å
Reference	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.Comm. 343: 1272-1278

GENE INFORMATION

Gene Name	CLIC4
Synonyms	CLIC4L; DKFZp566G223; FLJ38640; H1; MTCLIC; huH1; p64H1; OTTHUMP00000003380; chloride intracellular channel 4 like; Intracellular chloride ion channel protein p64H1
UniProt ID	Q9Y696
Gene ID	25932
Chromosome Location	1p36.11
Function	chloride ion binding; protein binding; voltage-gated chloride channel activity; voltage-gated ion channel activity.

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