

## Chloride intracellular channel 4

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

### SPECIFICATION

<b>Source</b>	E.coli
<b>Background</b>	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).
<b>Protein Classification</b>	Transport protein
<b>Structure Weight</b>	89641.50 Da
<b>Polymer</b>	1
<b>Molecule</b>	Chloride intracellular channel protein 4
<b>Chain Length</b>	261 amino acids
<b>PDB ID</b>	<a href="#">2D2Z</a>
<b>MMDB ID</b>	<a href="#">39169</a>
<b>Method</b>	X-Ray Diffraction

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**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.Commun. 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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