

Recombinant Human Chloride Intracellular Channel 2, His-tagged

Cat. No. CLIC2-3512H **Lot. No.** (See product label)

SPECIFICATION

| | |
|---------------------------------|---|
| Product Overview | Recombinant human CLIC2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography(1-247aa). |
| Species | Human |
| Source | E.coli |
| Description | CLIC2, also known as, chloride intracellular channel protein 2, regulates cellular traffic of chloride ions, a critical component of all living cells. This protein is involved in membrane potential stabilization, signal transduction, cell volume regulation and organic solute transport. It is detected in fetal liver and adult skeletal muscle tissue. It is a potential candidate for one of the many diseases linked to Xq28. |
| Form | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl and 1mM DTT |
| Molecular Weight | 30.5 kDa(267aa), confirmed by MALDI-TOF |
| Purity | > 95% by SDS - PAGE |
| Concentration | 1.0 mg/ml (determined by Bradford assay) |
| Sequences of amino acids | MGSSHHHHHH SSGLVPRGSH MSGLRPGTQV DPEIELFVKA GSDGESIGNC PFCQRLF MIL WLKGVKFNVT TVDMTRKPEE LKDLAPGTNP PFLVYNKELK |

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TDFIKIEEFL EQTLAPPRYP HLSPKYKESF DVGCNLFAKF SAYIKNTQKE
 ANKNFEKSLK KEFKRLDDYL NTPLLDEIDP DSAEPPVSR RLFLDGDQLT
 LADCSLLPKL NIIKVAACKY RDFDIPAEFS GVVRYLHNAY AREEFTHTCP
 EDKEIENTYA NVAKQKS

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

[CLIC2 chloride intracellular channel 2 \[Homo sapiens \]](#)

Synonyms

chloride intracellular channel protein 2; CLIC2; CLIC2b; OTTHUMP00000196471;
 chloride intracellular channel 2; XAP121

Gene ID

[1193](#)

mRNA Refseq

[NM_001289](#)

Protein Refseq

[NP_001280](#)

MIM

[300138](#)

UniProt ID

[O15247](#)

**Chromosome
Location**

Xq28

Function

chloride channel activity; electron carrier activity; voltage-gated chloride channel activity; voltage-gated ion channel activity; protein disulfide oxidoreductase activity

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