

## Recombinant Human CLIC2, His-tagged

**Cat. No.** CLIC2-27815TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CLIC2 with an N terminal His tag; 267 amino acids with tag, Predicted MWt 30.5 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	247 amino acids
<b>Description</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 2 is a member of the p64 family; the protein is detected in fetal liver and adult skeletal muscle tissue. This gene maps to the candidate region on chromosome X for incontinentia pigmenti.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	30.500kDa inclusive of tags
<b>Tissue specificity</b>	Detected in adult brain, heart, liver, lung, spleen, stomach and testis. Expressed in fetal liver and adult skeletal muscle.
<b>Form</b>	Liquid

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<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	MGSSHHHHHSSGLVPRGSHMSGLRPGTQVDPEIELFVKAGSDGESIGNCPFCQR LFMILWLKGVKFNVTTVDMTRKPEELKDLAPGTNPPFLVYNKELKTDFIKIEEFLEQTL APPRYPHLSPKYKESFDVGCNLFKFSAYIKNTQKEANKNFEKSLLEKFKRLDDYLN TPLLDEIDPDSAEPPVSRRLFLDGDQLTLADCSLLPKLNIIKVAACKYRDFDIPAEFS GVWRYLHNAYAREEFTHTCPEDKEIENTYANVAKQKS
<b>Sequence Similarities</b>	Belongs to the chloride channel CLIC family. Contains 1 GST C-terminal domain.

## GENE INFORMATION

<b>Gene Name</b>	CLIC2 chloride intracellular channel 2 [ Homo sapiens ]
<b>Official Symbol</b>	CLIC2
<b>Synonyms</b>	CLIC2; chloride intracellular channel 2; chloride intracellular channel protein 2; XAP121;
<b>Gene ID</b>	1193
<b>mRNA Refseq</b>	NM_001289
<b>Protein Refseq</b>	NP_001280

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<b>MIM</b>	300138
<b>Uniprot ID</b>	O15247
<b>Chromosome Location</b>	Xq28
<b>Function</b>	chloride channel activity; voltage-gated chloride channel activity; voltage-gated ion channel activity;

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