

# Recombinant Human CLIC2

**Cat. No.** CLIC2-27817TH    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant Full Length Human CLIC2 produced in <i>Saccharomyces cerevisiae</i> ; 247 amino acids, MWt 28.3 kDa. 25 kDa proprietary tag is attached.                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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>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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>             | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 30% Glycerol, 0.5% Triton-X-100, 50mM HEPES, 30mM Glutathione, 100mM Sodium chloride, 1mM DTT, pH 7.5                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage</b>            | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Sequences of amino</b> | MSGLRPGTQVDPEIELFVKAGSDGESIGNCPFCQRLFMIL WLKGVKFNVTTVDMTR                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|                              |                                                                                                                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>acids</b>                 | KPEELKDLAPGTNPPFLVYNKE LKTDFIKIEEFLEQTLAPPRYPHLSPKYKESFDVGC<br>NLFAKFSAYIKNTQKEANKNFEKSLLKEFKRLDDYLNTPLLD EIDPDSAEPPVSRRL<br>FLDGDQLTLADCSLLPKLNIK VAAKKYRDFDIPAEFSGVWRYLHNAYAREEFTHTCP<br>EDKEIENTYANVAKQKS |
| <b>Sequence Similarities</b> | Belongs to the chloride channel CLIC family.Contains 1 GST C-terminal domain.                                                                                                                                |
| <b>Full Length</b>           | Full L.                                                                                                                                                                                                      |

## 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                                                                                  |
| <b>MIM</b>                 | 300138                                                                                     |
| <b>Uniprot ID</b>          | O15247                                                                                     |
| <b>Chromosome Location</b> | Xq28                                                                                       |

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**Function**

chloride channel activity; voltage-gated chloride channel activity; voltage-gated ion channel activity;

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