

## Recombinant Human CLIC4, His-tagged

**Cat. No.** CLIC4-27273TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CLIC4 with an N terminal His tag; 273 amino acids with a predicted MWt 30.9 kDa including tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	253 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 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>Conjugation</b>	HIS
<b>Molecular Weight</b>	30.900kDa inclusive of tags
<b>Tissue specificity</b>	Detected in epithelial cells from colon, esophagus and kidney (at protein level). Expression is prominent in heart, kidney, placenta and skeletal muscle.
<b>Form</b>	Liquid

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<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 10% 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>	MGSSHHHHHSSGLVPRGSHMALSMPLNGLKEEDKEPLIELFVKAGSDGESIGNCP FSQRLF MILWLKGVVFSVTTVDLKRKPADLQNLAPGTHPPFITFNSEVKTDVNKIEEF LEEVLCP PKYLKLSPKHPESNTAGMDIFAKFSAYIKNSRPEANEALERGLLKT LQKLD EYLN SPLDEIDENS MEDIKFSTRKFLDGNEMTLADCNLLPKLHIVKVVAKKYRNFDIP KEMTGIWRYLTNAYS RDEFTNTCP SDKEVEIAYS DVAKRLTK
<b>Sequence Similarities</b>	Belongs to the chloride channel CLIC family. Contains 1 GST C-terminal domain.

## GENE INFORMATION

<b>Gene Name</b>	CLIC4 chloride intracellular channel 4 [ Homo sapiens ]
<b>Official Symbol</b>	CLIC4
<b>Synonyms</b>	CLIC4; chloride intracellular channel 4; chloride intracellular channel protein 4; CLIC4L; DKFZP566G223; H1; huH1; p64H1; P64H1;
<b>Gene ID</b>	25932
<b>mRNA Refseq</b>	NM_013943
<b>Protein Refseq</b>	NP_039234

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<b>MIM</b>	606536
<b>Uniprot ID</b>	Q9Y696
<b>Chromosome Location</b>	1p
<b>Function</b>	chloride channel activity; protein binding; voltage-gated chloride channel activity; voltage-gated ion channel activity;

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