Recombinant Human CLIC4, His-tagged

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

SPECIFICATION

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

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMALSMPLNGLKEEDKEPLIELFVKAGSDGESIGNCP FSQRLFMILWLKGVVFSVTTVDLKRKPADLQNLAPGTHPPFITFNSEVKTDVNKIEEF LEEVLCPPKYLKLSPKHPESNTAGMDIFAKFSAYIKNSRPEANEALERGLLKTLQKLD EYLNSPLPDEIDENSMEDIKFSTRKFLDGNEMTLADCNLLPKLHIVKVVAKKYRNFDIP KEMTGIWRYLTNAYSRDEFTNTCPSDKEVEIAYSDVAKRLTK
Sequence Similarities	Belongs to the chloride channel CLIC family.Contains 1 GST C-terminal domain.

GENE INFORMATION

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

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

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