

Recombinant Human CLIC4 protein, His-tagged

Cat. No. CLIC4-3426H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLIC4(1-253aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-253 a.a.
Description	CLIC4 (chloride intracellular channel 4), also known as H1, CLIC4L or MTCLIC, is a 253 amino acid single-pass membrane protein that localizes to both the nucleus and the cytoplasm and contains one GST C-terminal domain. CLIC4 functions as a monomer that is able to form selective ion channels in target proteins, thereby facilitating the transport of chloride and other ions. CLIC4 is thought to play a role in apoptosis and has been shown to translocate to the nucleus under stress conditions.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol
Molecular Mass	30.9 kDa (273aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSHPGTHPPFITF NSEVKTDV NK IEEFLEEVLCP PPKYLKLS PK HPESNTAGMD IFAKFSAYIK NSRPEANEAL ERGLLKT LQK LDEYLN SPLP DEIDENSMED IKFSTRKFLD GNEMTLADCN LLPKLHIVKV VAKKYRNFDI PKEMTGIWRY LTNAYS RDEF TNTCPSDKEV EIAYS DVAKR

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MALSMPLNGL KEEDKEPLIE LFVKAGSDGE SIGNCPFSQR LFMILWLKGV
VFSVTTVDLK RKPADLQNLALTK

Purity >95% by SDS - PAGE

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

Concentration 0.5 mg/ml (determined by Bradford assay)

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; chloride intracellular channel 4 like; intracellular chloride ion channel protein p64H1; MTCLIC; FLJ38640; DKFZp566G223;

Gene ID 25932

mRNA Refseq NM_013943

Protein Refseq NP_039234

MIM 606536

UniProt ID Q9Y696

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Chromosome Location	1p36.11
Function	chloride channel activity; protein binding; voltage-gated chloride channel activity; voltage-gated ion channel activity;

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