

Product information

CLIC4, 1-253 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0961

Full Name: Chloride intracellular channel protein 4

NCBI Accession No.: NP_039234

Synonyms: CLIC4L, DKFZp566G223, FLJ38640, H1, huH1, MTCLIC, p64H1

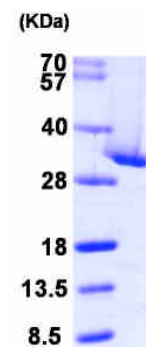
Description: CLIC4 (chloride intracellular channel 4), also known as H1, CLIC4L or MTCLIC, is a 253 amino acid single-pass membrane protein that localizes to both the nucleus and the cytoplasm and contains one GST C-terminal domain. CLIC4 functions as a monomer that is able to form selective ion channels 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. Recombinant human CLIC4 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl,
1mM DTT, 10% glycerol

Molecular Weight: 30.9 kDa (273aa) confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MALSMPLNGL KEEDKEPLIE LFKAGSDGE SIGNCPFSQR LFMILWLKGV VFSVTTVDLK RKPADLQNLA
PGTHPPFITF NSEVKTDVNK IEEFLEEVLC PPKYLKLSPK HPESNTAGMD IFAKFSAYIK NSRPEANEAL ERGLLKTLLQK LDEYLN SPLP
DEIDENSMED IKFSTRKFLD GNEMTLADCN LLPKLHIVKV VAKKYRNFDI PKEMTGIWRY LTNAYS RDEF TNTCPSDKEV EIAYS DVAKR
LTK

General references:

Malik M., *et al.* (2010) *J Biol Chem.* 285(31):23818-28.

Shukla A., *et al.* (2009) *Nat Cell Biol.* 11(6):777-84.

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.