

Recombinant human CLIC4 protein

Catalog Number: ATGP0961

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-253aa

UniProt No.

Q9Y696

NCBI Accession No.

NP_039234

Alternative Names

Chloride intracellular channel protein 4, CLIC4L, DKFZp566G223, FLJ38640, H1, huH1, MTCLIC, P64h1

PRODUCT SPECIFICATION

Molecular Weight

30.9 kDa (273aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MALSMPLNGL KEEDKEPLIE LFKAGSDGE SIGNCPFSQR FMILWLKGV VFSVTTVDLK
RKPADLQNLA PGTHPPFITF NSEVKTDVNK IEEFLEEVLK PPKYLKLSPK HPESNTAGMD IFAKFSAYIK NSRPEANEAL
ERGLLKTQK LDEYLNSPLP DEIDENSMED IKFSTRKFLD GNEMTLADCN LLPKLHIVKV VAKKYRNFDI PKEMTGIWRY
LTNAYS RDEF TNTCPDKEV 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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)