Recombinant human CLIC2 protein

Catalog Number: ATGP1020

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-247aa

UniProt No.
O15247

NCBI Accession No.
NP_001280

Alternative Names
Chloride intracellular channel protein 2, CLIC2b, XAP121

PRODUCT SPECIFICATION

Molecular Weight
30.5 kDa (267aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

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

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
CLIC2, also known as, chloride intracellular channel protein 2, regulates cellular traffic of chloride ions, a critical component of all living cells. This protein is involved in membrane potential stabilization, signal transduction, cell volume regulation and organic solute transport. It is detected in fetal liver and adult skeletal muscle tissue. It is a potential candidate for one of the many diseases linked to Xq28. Recombinant human CLIC2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

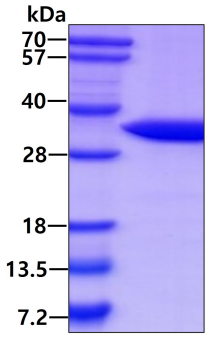
<MMGSSHHHHHH SSGLVPRGSH> MSGLRPGTQV DPEIELFVKA GSDGESIGNC PFCQRLFMIL WLKGVKFNVT TVDMTRKPEE LKDLAPGTNP PFLVYNKELK TDFIKIEEFL EQTLAPPRYP HLSPKYKESF DVGCNLFAKF SAYIKNTQKE ANKNFEKSLL KEFKRLDDYL NTPLLDEIDP DSAEEPPVSR RLFLDGDQLT LADCSLLPKL NIIKVAAKKY RDFDIPAEFS GVWRYLHNAY AREEFTHTCP EDKEIENTYA NVAKQKS

General References

Heiss N.S.. et al. (1997) Genomics. 45:224-228.
Thiemann A. et al. (1992) Nature. :356:57-60

DATA

SDS-PAGE



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