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# **Recombinant human CLIC2 protein**

Catalog Number: ATGP1020

#### **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-247aa

#### **UniProt No.**

015247

#### **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 Histag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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# **Amino acid Sequence**

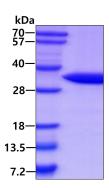
<MMGSSHHHHHH SSGLVPRGSH> MSGLRPGTQV DPEIELFVKA GSDGESIGNC PFCQRLFMIL WLKGVKFNVT TVDMTRKPEE LKDLAPGTNP PFLVYNKELK TDFIKIEEFL EQTLAPPRYP HLSPKYKESF DVGCNLFAKF SAYIKNTQKE ANKNFEKSLL KEFKRLDDYL NTPLLDEIDP DSAEEPPVSR RLFLDGDQLT LADCSLLPKL NIIKVAAKKY RDFDIPAEFS GVWRYLHNAY AREEFTHTCP EDKEIENTYA NVAKQKS

#### **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.

