# **Recombinant Human CLIC2 Protein (His Tag)**

Catalog Number: PKSH032247



Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Synonyms Chloride Intracellular Channel Protein 2;XAP121;CLIC2

Species Human
Expression Host E.coli

SequenceMet 1-Ser247AccessionO15247Calculated Molecular Weight30.5 kDaObserved molecular weight32 kDaTagN-His

### **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per  $\mu g$  of the protein as determined by the LAL method.

Storage Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

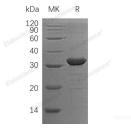
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM

DTT, 20% Glycerol, pH 8.0.

**Reconstitution** Not Applicable

#### Data



> 95 % as determined by reducing SDS-PAGE.

## **Background**

Chloride Intracellular Channel Protein 2 (CLIC2) is a critical component of all living cells; it regulatescellular traffic of Chloride ion and it can be inserted into membranes and form chloride ion channels. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions, channel activity depends on the pH. CLIC2 is involved in regulating membrane potential and organic solute transport. CLIC2 modulates the activity of RYR2 and inhibits Calcium influx. CLIC2 can be detected in the adult brain, liver, lung, heart, stomach, spleen and testis. It is expressed in fetal liver and adult skeletal muscle. CLIC2 is a potential candidate for one of many diseases linked to Xq28.

#### For Research Use Only

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