

## 32-7244: Recombinant Human Chloride Intracellular Channel Protein 2/CLIC2 (N-6His)

**Gene :** CLIC2  
**Gene ID :** 1193  
**Uniprot ID :** O15247

### Description

Source: E.coli.  
MW :30.5kD.

Recombinant Human CLIC2 is produced by our E.coli expression system and the target gene encoding Met1-Ser247 is expressed with a 6His tag at the N-terminus. Chloride Intracellular Channel Protein 2 (CLIC2) is a critical component of all living cells; it regulates cellular 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 oxidizing 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 20% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMSGRLRPGTQVDPEIELFVKAGSDGESIGNCPFCQRLFMLWLKGVKFNVTTV  
DMTRKPEELKDLAPGTNPPFLVYNKELKTDKDFIKIEEFLEQTLAPPRYPHLSPKYKESFDVGCNLFKFSAYIKNTQK  
EANKNFEKSLLEKFKRLDDYLNTPLLDEIDPDSAEPPVSRRLFLDGDQLTLADCSLLPKLNIIKVAACKYRDFDIP  
AEFSGVWRYLHNAYAREEFTHTCPEDKEIENTYANVAKQKS

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.