

CLIC2 Protein, Human, Recombinant (His)

General Information

Synonyms:	CLIC2;XAP121;Chloride Intracellular Channel Protein 2
Protein Construction:	Met1-Ser247
Species:	Human
Expression Host:	E. coli
Accession:	O15247
Molecular Weight:	32 KDa (reducing condition)
AA Sequence:	Met1-Ser247

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, 20% Glycerol, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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