

CLIC1 Human

Description: CLIC1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 261 amino acids (1-241 a.a.) and having a molecular mass of 29 kDa. CLIC1 protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Catalog #: PRPS-840

For research use only.

Synonyms: ACBP, ACBD1, CCK-RP, EP, CLIC1, G6, NCC27, Nuclear chloride ion channel 27, Chloride channel ABP, Regulatory nuclear chloride ion channel protein, hRNCC, Chloride intracellular channel protein 1.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: GSSHHHHHH SGLVPRGSH MAEEQPQVEL FVKAGSDGAK
IGNCPFSQRL FMVLWLGVT FNVTTVDTKR RTETVQKLCP GGQLPFLLYG TEVHTDTNKI
EEFLEAVLCP PRYPKLAALN PESNTAGLDI FAKFSAYIKN SNPALNDNLE KGLLKALKVL
DNYLTSPLPE EVDETSAEDE GVSQRKFLDG NELTLADCNL LPKLHIVQVV CKKYRGFTIP
EAFRGVHRYL SNA

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

CLIC1 Human solution containing 20mM Tris-HCl pH-8, 0.1M NaCl & 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Chloride channels are various group of proteins that control fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, regulation of intracellular pH, and maintenance of cell volume. CLIC1 is part of the p64 family and is localized to the cell nucleus. CLIC1 displays both nuclear and plasma membrane chloride ion channel activity. CLIC1 inserts into membranes and forms chloride ion channels. CLIC1 channel activity depends on the pH. CLIC1 membrane insertion is redox-regulated and happens under oxidizing conditions.

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