9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CLIC1 Human

Chloride Intracellular Channel 1 Human Recombinant
RCP0457

Product Overview

Name	CLIC1 Human
Description	
Chloride Intracellular Channel 1 Human Recombinant	
Accession (Primary)	O00299
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.	
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 oxydizing conditions.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
GSSHHHHHH SSGLVPRGSH MAEEQPQVEL FVKAGSDGAK IGNCPFSQRL FMVLWLKGVT FNVTTVDTKR RTETVQKLCP GGQLPFLLYG TEVHTDTNKI EEFLEAVLCP PRYPKLAALN PESNTAGLDI FAKFSAYIKN SNPALNDNLE KGLLKALKVL DNYLTSPLPE EVDETSAEDE GVSQRKFLDG NELTLADCNL LPKLHIVQVV	

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CKKYRGFTIP EAFRGVHRYL SNAYAREEFA STCPDDEEIE LAYEQVAKAL K.

Precautions

CLIC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00299)