

CLIC1 Protein, Human (N-His)

Cat. No.:	HY-P7840A
Synonyms:	Chloride Intracellular Channel Protein 1; Chloride Channel ABP; Nuclear Chloride Ion Channel 27; NCC27; Regulatory Nuclear Chloride Ion Channel Protein; hRNCC; CLIC1; G6; NCC27
Species:	Human
Source:	E. coli
Accession:	O00299 (A2-K241)
Gene ID:	1192
Molecular Weight:	Approximately 29 kDa

PROPERTIES

AA Sequence	<pre> A E E Q P Q V E L F V K A G S D G A K I G N C P F S Q R L F M V L W L K G V T F N V T T V D T K R R T E T V Q K L C P G G Q L P F L L Y G T E V H T D T N K I E E F L E A V L C P P R Y P K L A A L N P E S N T A G L D I F A K F S A Y I K N S N P A L N D N L E K G L L K A L K V L D N Y L T S P L P E E V D E T S A E D E G V S Q R K F L D G N E L T L A D C N L L P K L H I V Q V V C K K Y R G F T I P E A F R G V H R Y L S N A Y A R E E F A S T C P D D E E I E L A Y E Q V A K A L K </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of 50 mM Tris-HCl, 300 mM NaCl, pH 7.4, 5% trehalose, 5% mannitol and 0.01% Tween 80.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	CLIC1 protein can insert into membranes and form chloride ion channels, while CLIC1 channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxidizing conditions. CLIC1 is involved in regulation of the cell cycle. CLIC1 seems to have very low affinity for glutathione, even though glutathione binding was observed in protein crystals.
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Caution: Product has not been fully validated for medical applications. For research use only.

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