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Datasheet for ABIN1692285

CLIC1 Protein (AA 1-241) (His tag)

Overview

Quantity:	50 µg
Target:	CLIC1
Protein Characteristics:	AA 1-241
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLIC1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Chloride Intracellular Channel Protein 1/CLIC1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MAEEQPQVEL FVKAGSDGAK IGNCPFSQLR FMVLWLKGV T FNVTTVDTKR RTETVQKLCP GGQLPFLLYG TEVHTDTNKI EEFLEAVLCP PRYPKLAALN PESNTAGLDI FAKFSAYIKN SNPALNDNLE KGLLKALKVL DNYLTSPLPE EVDETSAEDE GVSQRKFLDG NELTLADCNL LPKLHIVQVV CKKYRGFTIP EAFRGVHRYL SNAYAREEFA STCPDDEEIE LAYEQVAKAL K
Characteristics:	Recombinant Human Chloride Intracellular Channel Protein 1/CLIC1 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Lys241) of Human CLIC1 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CLIC1
Alternative Name:	CLIC1 (CLIC1 Products)
Sub Type:	Fusionprotein
Background:	<p>Chloride Intracellular Channel Protein 1 (CLIC1) belongs to the Chloride Channel CLIC family and contains one GST C-terminal domain. CLIC1 can be expressed in various cell types, but it is especially prominent in the heart, placenta, liver, kidney, and pancreas. CLIC1 can insert into membranes and form chloride ion channels. The channel activity depends on the pH. CLIC1 membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. CLIC1 is also involved in the regulation of the cell cycle.</p> <p>Alternative Names: Chloride Intracellular Channel Protein 1, Chloride Channel ABP, Nuclear Chloride Ion Channel 27, NCC27, Regulatory Nuclear Chloride Ion Channel Protein, hRNCC, CLIC1, G6, NCC27</p>
Molecular Weight:	29 kDa
UniProt:	O00299

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months