

## Recombinant Human CLIC1 Protein (His Tag)

**Catalog Number:** PKSH032246

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

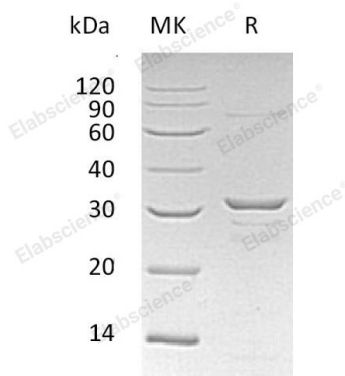
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human CLIC1 protein Met 1-Lys241, with an N-terminal His
<b>Calculated MW</b>	29.0 kDa
<b>Observed MW</b>	30-35 kDa
<b>Accession</b>	O00299
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
	Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

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 oxidizing conditions. CLIC1 is also involved in the regulation of the cell cycle.

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