



Recombinant Protein Technical Manual

Recombinant Human CLIC1 Protein (His Tag)

RPES0490

Product Data:

Product SKU: RPES0490

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O00299

Protein Information:

Molecular Mass: 29.0 kDa

AP Molecular Mass: 33 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

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

Immunogen Information:

Sequence: Met 1-Lys241

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.