



Recombinant Protein Technical Manual

Recombinant Human CLIC4 Protein (His Tag)

RPES2154

Product Data:

Product SKU: RPES2154

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9Y696

Protein Information:

Molecular Mass: 30.9 kDa

AP Molecular Mass: 32 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, pH 8.0.

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

Application:

Synonyms: CLIC4L;H1;huH1;MTCLIC;p64H1

Immunogen Information:

Sequence: Met 1-Lys253

Background:

Chloride Intracellular Channel Protein 4 (CLIC4) is a 253 amino acid single-pass membrane protein that localizes to both the nucleus and the cytoplasm and contains one GST C-terminal domain. CLIC4 is expressed in various tissues and exhibits an intracellular vesicular pattern in Panc cells (pancreatic cancer cells). CLIC4 acts as a monomer which is able to form selective ion channels in target proteins, thus facilitating the transport of chloride and other ions. CLIC4 is believed to have a role in apoptosis and is able to translocate to the nucleus under stress conditions. CLIC4 has alternate cellular functions like a potential role in angiogenesis or in maintaining apical-basolateral membrane polarity during mitosis and cytokinesis.