

32-7190: Recombinant Human Chloride Intracellular Channel Protein 5/CLIC5 (N-6His)

Gene : CLIC5
Gene ID : 53405
Uniprot ID : Q9NZA1

Description

Source: E.coli.
MW :30.3kD.

Recombinant Human CLIC5 is produced by our E.coli expression system and the target gene encoding Met1-Ser251 is expressed with a 6His tag at the N-terminus. Chloride Intracellular Channel Protein 5 (CLIC5) is a single-pass membrane protein which belongs to the chloride channel CLIC family. It contains one GST C-terminal domain. Chloride intracellular channels are involved in chloride ion transport within various subcellular compartments. CLIC5 can insert into membranes and form selective ion channels regulated by actin that may transport chloride ions. It may play a role in the regulation of transepithelial ion absorption and secretion. CLIC5 specifically associates with the cytoskeleton of placenta microvilli. CLIC5 is required for the development and/or maintenance of the proper glomerular endothelial cell and podocyte architecture.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MGSSHHHHHSSGLVPRGSHMTDSATANGDDRPEIELFKAGIDGESIGNCPFSQRLFMILWLKGVVFNVT
VDLKRKPADLHNLAPGTHPPFLTFNGDVKTDVNKIEEFLEETLTPEKYPKLAAKHRESNTAGIDIFSKFSAYIKNTK
QQNNAALERGLTKALKKLDYLNTPLEEIDANTCGEDKGSRRKFLDGDELTLADCNLLPKLHVVKIVAKKYRN
YDIPAEMTGLWRYLKNAYARDEFTNTCAADSEIELAYADVAKRLRS

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.