

## 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 :** MGSSHHHHHSSGLVPRGSHMTDSATANGDDRDP E IELFKAGIDGESIGNCPFSQRLFMILWLKGVVFNVT  
VDLKRKPADLHNLAPGTHPPFLTFNGDVKTVDNKIEEFLEETLTPEKYPKLA AKHRESNTAGIDIFSKFSAYIKNTK  
QQNNAALERGLTKALKKLDYLNTPLEEIDANTCGEDKGSRRKFLDGDELTLADCNLLPKLHVVKIVAKKYRN  
YDIPAEMTGLWRYLKNAYARDEFTNTCAADSEIELAYADVAKRLSRS

### 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 ddH<sub>2</sub>O. 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.