

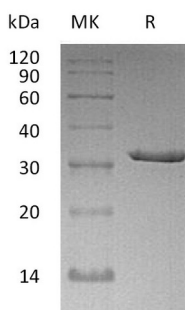
**Product Name: Recombinant Human CLIC5 (N-6His)**  
**Catalog #: PEH0419**



## Summary

|                                 |                                                                                                                                                                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                     | CLIC5/Chloride intracellular channel protein 5                                                                                                                                                                                                                                         |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE                                                                                                                                                                                                                                    |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.                                                                                                                                                                                                                                                    |
| <b>Construction</b>             | Recombinant Human Chloride Intracellular Channel Protein 5 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.                                                                                        |
| <b>Accession #</b>              | Q9NZA1-2                                                                                                                                                                                                                                                                               |
| <b>Host</b>                     | E.coli                                                                                                                                                                                                                                                                                 |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                  |
| <b>Predicted Molecular Mass</b> | 30.3 KDa                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>              | Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.01% Tween80, 0.01% TritonX-100, pH8.0.                                                                                                                                                                     |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.                                                                                                                                                                     |
| <b>Stability&amp;Storage</b>    | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.                                                                                                                   |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image



## Background

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**Alternative Names**

Chloride Intracellular Channel Protein 5; CLIC5

**Background**

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.

**Note**

For Research Use Only , Not for Diagnostic Use.