

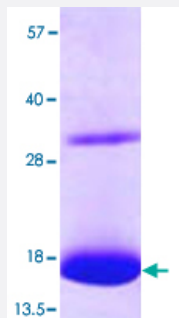
Full-Length

## CLC (Human) Recombinant Protein

Catalog # P3578

Size 100 ug

### Applications



### Specification

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human CLC (NP_001819, 1 a.a. - 142 a.a.) full-length recombinant protein with His tag expressed in <i>Escherichia coli</i> .                                               |
| <b>Sequence</b>                | MGSSHHHHHHSSGLVPRGSHMSLLPVPYTEAASLSTGSTVTIKGRPLACFLNEPYLQVDFHTEMK<br>EESDIVFHFQVCFGRRVVMNSREYGAWKQQVESKNMPFQDGGQEFELISVLPDKYQVMVNGQS<br>SYTFDHRİKPEAVKMVQVWRDISLTKFNVSYLKR |
| <b>Host</b>                    | <i>Escherichia coli</i>                                                                                                                                                    |
| <b>Theoretical MW (kDa)</b>    | 18.6                                                                                                                                                                       |
| <b>Form</b>                    | Liquid                                                                                                                                                                     |
| <b>Preparation Method</b>      | <i>Escherichia coli</i> expression system                                                                                                                                  |
| <b>Purification</b>            | Conventional Chromatography                                                                                                                                                |
| <b>Concentration</b>           | 0.5 mg/mL                                                                                                                                                                  |
| <b>Purity</b>                  | > 90% by SDS-PAGE                                                                                                                                                          |
| <b>Quality Control Testing</b> | Loading 3 ug protein in 15% SDS-PAGE                                                                                                                                       |
| <b>Storage Buffer</b>          | In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 8.0 (1 mM DTT, 10% glycerol).                                                                                                     |

**Storage Instruction**

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- SDS-PAGE

## Gene Info — CLC

**Entrez GeneID** [1178](#)

**Protein Accession#** [NP\\_001819](#)

**Gene Name** CLC

**Gene Alias** LGALS10, LPPL\_HUMAN, MGC149659

**Gene Description** Charcot-Leyden crystal protein

**Omim ID** [153310](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene is a lysophospholipase expressed in eosinophils and basophils. It hydrolyzes lysophosphatidylcholine to glycerophosphocholine and a free fatty acid. This protein may possess carbohydrate or IgE-binding activities. It is both structurally and functionally related to the galectin family of beta-galactoside binding proteins. It may be associated with inflammation and some myeloid leukemias. [provided by RefSeq]

**Other Designations** Charot-Leyden crystal protein|eosinophil lysophospholipase|galactin-10|galectin 10|lysolecithin acylhydrolase

## Disease

- [Genetic Predisposition to Disease](#)
- [Rhinitis](#)