

## 32-4108: Recombinant Human Charcot-Leyden Crystal Protein

**Alternative Name :** Eosinophil lysophospholipase, Charcot-Leyden crystal protein, CLC, Galectin-10, Gal-10, Lysolecithin acylhydrolase, GAL10, LGALS10, LGALS10A.

### Description

Source : Escherichia Coli. LGALS10 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 162 amino acids (1-142 a.a.) and having a molecular mass of 18.6kDa. LGALS10 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Eosinophil lysophospholipase (CLC) acts on biological membranes to regulate the multifunctional lysophospholipids. CLC is a lysophospholipase expressed in eosinophils and basophils. CLC hydrolyzes lysophosphatidylcholine to glycerophosphocholine and a free fatty acid. The CLC protein may possess carbohydrate or IgE-binding activities. CLC is both structurally and functionally related to the galectin family of beta-galactoside binding proteins. CLC may be linked with inflammation and some myeloid leukemias.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** Galectin-10 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MLLPVPYTE AASLSTGSTV TIKGRPLACF LNEPYLQVDF  
HTEMKEESDI VFHFQVCFGR RVVMNSREYG AWKQQVESKN MPFQDGQEFE LSISVLPDKY  
QVMVNGQSSY TFDHRIKPEA VKMVQVWRDI SLTKFNVSYL KR.

