

Recombinant Human CLC, His-tagged

Cat. No. CLC-28114TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human Galectin 10 with an N terminal His tag; 162 amino acids with the tag; predicted mwt: 18.6 kDa.
Species	Human
Source	E.coli
ProteinLength	162 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	18.600kDa inclusive of tags
Tissue specificity	Expressed exclusively by eosinophils and basophils. Not detected in monocytes and neutrophils.
Form	Liquid

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Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMSLLPVPYTEAASLSTGSTVTIKGRPLACFLNEPYL QVDFHTEMKEESDIVFHFQVCFGRVVMNSREYGAWKQQVESKNMPFQDGQEFEL LSISVLPDKYQVMVNGQSSYTFDHRIKPEAVKMOVWRDISLTKFNVSYLKR
Sequence Similarities	Contains 1 galectin domain.

GENE INFORMATION

Gene Name	CLC Charcot-Leyden crystal protein [Homo sapiens]
Official Symbol	CLC
Synonyms	CLC; Charcot-Leyden crystal protein; eosinophil lysophospholipase; galectin 10; LGALS10; LPPL_HUMAN; lysolecithin acylhydrolase; MGC149659;
Gene ID	1178
mRNA Refseq	NM_001828
Protein Refseq	NP_001819
MIM	153310

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Uniprot ID	Q05315
Chromosome Location	19q13.1
Function	carboxylesterase activity; hydrolase activity; lysophospholipase activity; sugar binding;

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