Recombinant Human Charcot-Leyden Crystal Protein, His-tagged

Cat. No. CLC-984H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CLC protein, fused to His-tag at N-terminus, was expressed inE.coliand purified by using conventional chromatography techniques(1-142aa).
Species	Human
Source	E.coli
Description	Eosinophil lysophospholipase (CLC), also known as Galectin 10, act on biological membranes to regulate the multifunctional lysophospholipids. CLC 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 0.1M NaCl
Molecular Weight	18.6 kDa (162aa) confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)

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Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSLLPVPYTE AASLSTGSTV TIKGRPLACF LNEPYLQVDF HTEMKEESDI VFHFQVCFGR RVVMNSREYGAWKQQVESKN MPFQDGQEFE LSISVLPDKY QVMVNGQSSY TFDHRIKPEA VKMVQVWRDI SLTKFNVSYL KR
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	CLC Charcot-Leyden crystal protein [Homo sapiens]
Synonyms	CLC; GAL10; Gal-10; LGALS10; LGALS10A; MGC149659; LPPL_HUMAN; galectin-10; eosinophil lysophospholipase; galectin 10; lysolecithinacylhydrolase; NP_001819.2; EC 3.1.1.5
Gene ID	1178
mRNA Refseq	NM_001828
Protein Refseq	NP_001819
MIM	153310
UniProt ID	Q05315
Chromosome Location	19q13.1
Function	hydrolase activity; lysophospholipase activity; lysophospholipase activity

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