

Recombinant Human CLC Protein (Ser2-Arg142), N-His tagged, Animal-free, Carrier-free

Cat. No. CLC-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLC Protein (Ser2-Arg142) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser2-Arg142
Description	Galectin-10 (Gal-10) is a lectin family member and is one of the prototype galectins. It contains one carbohydrate recognition domain (CRD), responsible for β-galactoside binding, and is biologically active as homodimers. It has been reported that galectin-10 is presented in eosinophils but also detected in basophils and macrophages. Accumulated evidence indicates that galectin-10 spontaneously forms Charcot-Leyden crystals (CLCs), participating in allergic responses and related inflammatory reactions. Several binding partners for galectin-10 have been identified, including eosinophil granule cationic ribonucleases, eosinophil-derived neurotoxin (EDN, RNS2), and eosinophil cationic protein (ECP, RNS3), demonstrating the interaction is essential for eosinophil differentiation and granulogenesis.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 36.7 kDa. The protein migrates as 37 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	CLC Charcot-Leyden crystal protein [Homo sapiens (human)]
Official Symbol	CLC
Synonyms	CLC; Charcot-Leyden crystal protein; eosinophil lysophospholipase; galectin 10; LGALS10; LPPL_HUMAN; lysolecithin acylhydrolase; MGC149659; galectin-10; GAL10; Gal-10; LGALS10A;
Gene ID	1178
mRNA Refseq	NM_001828

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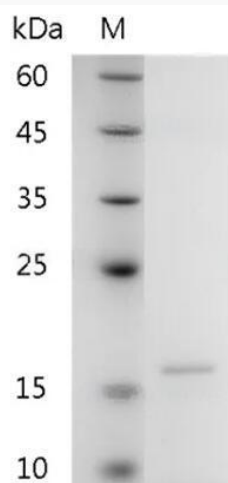
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Protein Refseq NP_001819

MIM 153310

UniProt ID Q05315

**SDS-PAGE analysis
of recombinant
human Galectin-10.**



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