
Product Data Sheet

Product Name: LGALS10 Human
 Cat. No.: GP23813
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Eosinophil lysophospholipase; Charcot-Leyden crystal protein; CLC; Galectin-10; Gal-10; Lysolecithin acylhydrolase; GAL10; LGALS10; LGALS10A.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MLLPVPYTE AASLSTGSTV TIKGRPLACF LNEPYLQVDF HTEMKEESDI VFHFQVCFGR RVVMNSREYG AWKQQVESKN MPFQDGQEFE LSISVLPDKY QVMVNGQSSY TFDHRIKPEA VKMVQVWRDI SLTKFNVSYL KR.		
Formulation	Galectin-10 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.		

Introduction

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.

Stability

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

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to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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