

Recombinant human Galectin-10/LGALS10 protein

Catalog Number: ATGP1034

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-142aa

UniProt No.

Q05315

NCBI Accession No.

NP_001819

Alternative Names

Lysolecithin acylhydrolase, LPPL, LGALS10A, LGALS10, Lectin galactoside-binding soluble, Galectin 10, Gal-10, Eosinophil lysophospholipase, CLC, Charcot-Leyden crystal protein, 10LGALS10A

PRODUCT SPECIFICATION

Molecular Weight

18.6 kDa (162aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Recombinant human CLC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MSLLVPYTE AASLSTGSTV TIKGRPLACF LNEPYLQVDF HTEMKEESDI VFHFQVCFCGR
RVVMNSREYG AWKQQVESKN MPFQDGQEFE LSISVLPDKY QVMVNGQSSY TFDHRIKPEA VKMVQVWRDI SLTKFNVSYL
KR

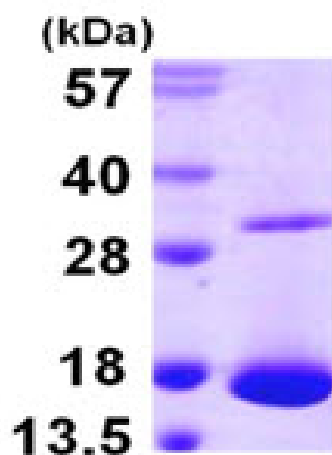
General References

Giech G J., et al. (1976) J Clin Invest. 57:633-640.

Swaminathan G J., et al. (1999) Biochemistry 38:13837-13843.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)