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_001819.2

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

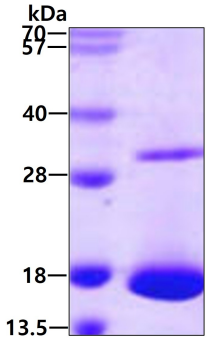
<MGSSHHHHHH SSGLVPRGSH> MSLLPVPYTE AASLSTGSTV TIKGRPLACF LNEPYLQVDF HTEMKEESDI VFHFQVCFGR RVVMNSREYG AWKQQVESKN MPFQDGQEFE LSISVLPDKY QVMVNGQSSY TFDHRIKPEA VKMVQVWRDI SLTKFNVSYL KR

General References

Gieich 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.