Recombinant human Galectin-13/LGALS13 protein

Catalog Number: ATGP2493

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-139aa

UniProt No.
Q9UHV8

NCBI Accession No.
NP_037400

Alternative Names
Galactoside-binding soluble lectin 13, GAL13, PLAC8, PP13, Placental tissue protein 13, Placental protein 13

PRODUCT SPECIFICATION

Molecular Weight
18.5 kDa (162aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity
> 95% 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
Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene has lysophospholipase activity. It is composed of two identical subunits which are held together by disulfide bonds. This protein has structural similarity to several members of the beta-galactoside-binding S-type lectin family. Recombinant human LGALS13 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

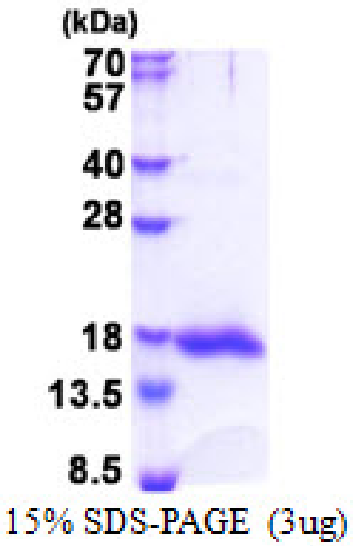
MGSSHHHHHH SSGLVPRGSH MGSMSSLPVP YKLPVSLSVG SCVIIKGTPI HSFINDPQLQ VDFYTDMDED SDIAFRFRVH FGNHVVMNRR EFGIWMLEET TDYVPFEDGK QFELCIYVHY NEYEIKVNGI RIYGFVHRIP PSFVKMVQVS RDISLTSVCV CN

General References

Than NG, Pick E, et al. (2004). Eur J Biochem. 271(6):1065-78.
Visegrady B, Than NG, et al. (2001). Protein Eng. 14(11):875-80.

DATA

SDS-PAGE



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