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.



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.

