Recombinant human GRP/LGALSL protein

Catalog Number: ATGP1981

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-172aa

UniProt No.
Q3ZCW2

NCBI Accession No.
NP_054900

Alternative Names
Galectin-related protein, GRP, Galectin like protein, HSPC159, Lectin galactoside-binding-like protein

PRODUCT SPECIFICATION

Molecular Weight
21.4 kDa (195aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

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

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
Galectin-related protein, also known as LGALSL, is a 172 amino acid protein that contains one galectin domain. Galectins are a family of soluble b-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and also play a role in tumor progression, pre-mRNA splicing and apoptosis. However, LGALSL does not appear to bind carbohydrates or lactose because the critical residues required for binding are not conserved. Recombinant human LGALSL 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

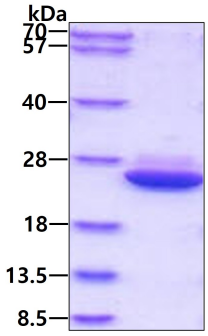
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General References

Zhou D., et al. (2008) Proteins. 71:1582-1588
Walti M A., et al. (2008) Proteins. 72: 804-808.

DATA

SDS-PAGE



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