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Recombinant human GRP/LGALSL protein

Catalog Number: ATGP1203

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-172aa

UniProt No.

O3ZCW2

NCBI Accession No.

NP 054900

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

21.5 kDa (196aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

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

HSPC159, also designated galectin-related protein (GRP), is a 172 amino acid protein that contains one galectin domain. This protein does not appear to bind carbohydrates or lactose because the critical residues required for binding are not conserved. Recombinant human HSPC159 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 MGSH>MAGSVA DSDAVVKLDD GHLNNSLSSP VQADVYFPRL IVPFCGHIKG



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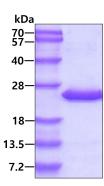
GMRPGKKVLV MGIVDLNPES FAISLTCGDS EDPPADVAIE LKAVFTDRQL LRNSCISGER GEEQSAIPYF PFIPDQPFRV EILCEHPRFR VFVDGHQLFD FYHRIQTLSA IDTIKINGDL QITKLG

General References

Zhou D., et al. (2008) Proteins. 71(3):1582-8. Marshall JD., et al. (2007) Eur J Hum Genet. 15(12):1193-202.

DATA

SDS-PAGE



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

