

LGALSL, 1-172aa, Human, His tag, E.coli

Cat.NO.: TP02820

3th Edition

Synonyms:Galectin-related protein, GRP, HSPC159

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAGSVADSDAVVKLDDGHLNNSLSSPVQADVFPRLIVPFCGHIKGGMRPG
KKVLVMGIVDLNPESFAISLTCGDSPPADVAIELKAVFTDRQLLRNSCISGERGEEQSAIPYFPFIPDQPFRVEILC
EHPRFRVFVDGHQLDFYHRIQTLAIDTIKINGDLQITKLG

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.