
Product Data Sheet

Product Name: LGALSL Human
 Cat. No.: GP23814
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GRP; HSPC159; Galectin-related protein; Lectin galactoside-binding-like protein; LGALSL.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAGSVAD SDAVVKLDDG HLNNLSLSSPV QADVYPRLI VPFCGHIKGG MRPGKKVLVM GIVDLNPESF AISLTCGDSE DPPADVAIEL KAVFTDRQLL RNCSISGERG EEQSAIPYFP FIPDQPFRVE ILCEHPRFRV FVDGHQLFDF YHRIQTL SAI DTIKINGDLQ ITKLG.		
Formulation	LGALSL protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Galectins are a family of soluble b-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix interactions. Galectins also take part in tumor progression, pre-mRNA splicing and apoptosis. Galectin-related protein (LGALSL) is a 172 amino acid protein which holds one galectin domain. In spite of this, LGALSL does not appear to bind carbohydrates or lactose since the critical residues required for binding are not conserved.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LGALSL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids (1-172a.a) and having a molecular mass of 21.4kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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LGALSL is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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