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# LGALSL Human

**Catalog #:**PRPS-1381

For research use only.

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

**Synonyms:**GRP, HSPC159, Galectin-related protein, Lectin galactoside-binding-like protein, LGALSL.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMAGSVAD SDAVVKLDDG HLNNSLSSPV QADVYFPRLI VPFCGHIKGG MRPGKKVLVM GIVDLNPESF AISLTCGDSE DPPADVAIEL KAVFTDRQLL RNSCISGERG EEQSAIPYFP FIPDQPFRVE ILCEHPRFRV FVDGHQLFDF YHRIQTLSAI DTIKINGDLQ ITKLG.

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**
LGALSL protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 1mM DTT.

**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.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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