

# Recombinant Human LGALSL, His-tagged

**Cat. No.** LGALSL-7537H    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant human LGALSL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>       | 1-172aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Antigen Description</b> | 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. |
| <b>Form</b>                | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>      | 21.4 kDa (195aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>         | MGSSHHHHH SSGLVPRGSH MGSMAGSVAD SDAVVKLDDG HLNNSLSSPV<br>QADVYFPRLI VPFCGHIKGG MRPGKKVLVM GIVDLNPESF AISLTCGDSE<br>DPPADVAIEL KAVFTDRQLL RNCSISGERG EEQSAIPYFP FIPDQPFRVE<br>ILCEHPRFRV FVDGHLFDF YHRIQTLAI DTIKINGDLQ ITKLG                                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | >90% as determined by SDS - PAGE                                                                                                                     |
| <b>Applications</b>  | SDS-PAGE                                                                                                                                             |
| <b>Storage</b>       | 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. |
| <b>Concentration</b> | 0.5 mg/ml                                                                                                                                            |

## GENE INFORMATION

|                            |                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | LGALSL?lectin, galactoside-binding-like [?Homo sapiens?]                                                                  |
| <b>Official Symbol</b>     | LGALSL                                                                                                                    |
| <b>Synonyms</b>            | LGALSL; GRP; HSPC159; galectin-related protein; lectin galactoside-binding-like protein; lectin, galactoside-binding-like |
| <b>Gene ID</b>             | 29094                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_014181                                                                                                                 |
| <b>Protein Refseq</b>      | NP_054900                                                                                                                 |
| <b>UniProt ID</b>          | Q3ZCW2                                                                                                                    |
| <b>Chromosome Location</b> | 2p14                                                                                                                      |
| <b>Function</b>            | carbohydrate binding                                                                                                      |

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