

LGALS1 Protein, Human, Recombinant (His)

General Information

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| Synonyms: | Lectin Galactoside-Binding-Like Protein;HSPC159;Galectin-Related Protein;LGALS1;GRP |
| Protein Construction: | Ala2-Gly172 |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | Q3ZCW2 |
| Molecular Weight: | 18 KDa (reducing condition) |
| AA Sequence: | Ala2-Gly172 |

QC Testing

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | Greater than 95% as determined by reducing SDS-PAGE. (QC verified) |
| Endotoxin: | < 0.1 ng/μg (1 EU/μg) as determined by LAL test. |
| Formulation: | Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.0. |

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Galectin-Related Protein (LGALS1) is a 172 amino acid protein that contains one Galectin domain. LGALS1 does not appear to bind carbohydrates or lactose as the critical residues required for binding are not conserved. LGALS1 may play a significant role in stimulating smooth muscle growth in developing alveolar wall vessels and the development of pulmonary capillaries.

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