

Galectin-9 Protein, Mouse, Recombinant (GST)

General Information

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|-----------------------|-----------------------------|
| Synonyms: | Gal-9;Galectin-9;Lgals9 |
| Protein Construction: | Met1-Thr322 |
| Species: | Mouse |
| Expression Host: | E. coli |
| Accession: | O08573-2 |
| Molecular Weight: | 58 KDa (reducing condition) |
| AA Sequence: | Met1-Thr322 |

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 85% 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 PB, 1 mM EDTA, 5 mM β-Mercaptoethanol, 5% Trehalose, 400 mM NaCl, pH6.5. |

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-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkin's disease tissue. Galectin-9 binds galactosides and has high affinity for the Forssman pentasaccharide. Galectin-9 plays a role in thymocyte-epithelial interactions relevant to the biology of the thymus and inhibits cell proliferation. Galectin-9 is a ligand for HAVCR2/TIM3 and induces T-helper type 1 lymphocyte (Th1) death. In addition, Galectin-9 suppresses tumor cell metastasis by interfering with the associations CD44, VCAM-1, Integrin α4β1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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