

Recombinant Mouse Galectin-9 (Lgals9), N-His

Cat. No.: AP4C188

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Mouse Galectin-9 (Lgals9), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 16.4 kDa. The purity is >97%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	>97%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	16.4 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Target Information

Mouse Galectin-9 (LGALS9) is a lectin expressed in various cell types, involved in immune regulation, cell adhesion, and signaling. In mouse models, LGALS9 is studied for its roles in immune responses, inflammatory diseases, and tumor immune evasion. LGALS9 interacts with cell surface receptors like TIM-3 and CD44 to modulate T cell function and survival. Research indicates that LGALS9 promotes oligodendrocyte precursor cell differentiation and remyelination in ischemic stroke models, enhancing neurological recovery. Moreover, LGALS9 boosts CD8⁺ T cell antitumor activity in the tumor microenvironment by binding to TIM-3 and inhibits tumor cell apoptosis. In head and neck squamous cell carcinoma, LGALS9 expression correlates with tumor immune evasion and poor prognosis. Thus, LGALS9 is a potential therapeutic target for developing immunotherapies and drugs for various diseases.

Protein	Mouse Galectin-9 (Lgals9)
Protein Synonym	Gal-9; Lgals9
Gene ID	16859
EC No.	O08573

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 20 mM Tris, 150 mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.