

Recombinant Canine Galectin (LGALS9), N-His-SUMO

Cat. No.: AP4C529

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Canine Galectin (LGALS9), N-His-SUMO is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 51.7 kDa. The purity is > 90%.

Specifications

Type	Recombinant Protein
Species	Canine
Expression System	<i>E.coli</i>
Purity	> 90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	51.7 kDa
Physical State	Lyophilized
Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Target Information

Canine Galectin (LGALS9) is a member of the galectin family, involved in immune regulation and cell signaling. It is expressed in various immune cells, including lymphocytes and dendritic cells, and plays a role in modulating immune responses. LGALS9 can induce the proliferation and activation of immune cells while also promoting apoptosis, influencing the balance of immune cell populations. In canine tumors, LGALS9 is ubiquitously expressed, suggesting its involvement in tumor immunology. Additionally, LGALS9 is critical for mucosal adaptive immunity through the T helper 17-IgA axis, highlighting its importance in mucosal defense mechanisms.

Protein	Canine Galectin (LGALS9)
Protein Synonym	LGALS9
Gene ID	442861
EC No.	A0A8C0NJ00

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 10 mM PBS (pH7.4) 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.