

# **Recombinant Mouse Galectin-9/LGALS9 Protein**

Catalog No.: RP02002LQ Recombinant

# **Sequence Information**

**Species Gene ID Swiss Prot**Mouse 16859 008573

Tags N-GST

**Synonyms** 

Galectin-9; Lgals9; Gal-9

# **Product Information**

**Source** Purification *E. coli*  $\geq$  90 % as

determined by SDS-PAGE.

Calculated MW Observed MW

62.8 kDa 58 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Supplied as a 0.2 µm filtered solution of 20mM PB, 1mM EDTA, 5mM p-ME, 5%Trehalose, 400mM Nacl, pH6.5Contact us for customized product form or formulation.

## Reconstitution

## **Contact**

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# **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  $\alpha$ 4 $\beta$ 1.

## **Basic Information**

## **Description**

Recombinant Mouse Galectin-9 is produced by our E.coli expression system and the target gene encoding Met1-Thr322 is expressed with a GST tag at the N-terminus.

#### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

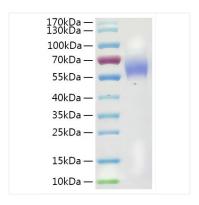
Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

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# **Validation Data**



Recombinant Mouse Galectin-9/LGALS9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.