

# Recombinant Mouse Galectin 9/LGALS9 Protein (GST Tag)

Catalog Number: PKSM041336

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

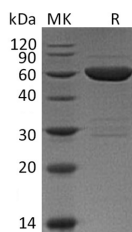
## Description

<b>Synonyms</b>	Galectin-9;Lgals9;Gal-9
<b>Species</b>	Mouse
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met1-Thr322
<b>Accession</b>	O08573-2
<b>Calculated Molecular Weight</b>	62.8 kDa
<b>Observed molecular weight</b>	58 kDa
<b>Tag</b>	N-GST

## Properties

<b>Purity</b>	> 85 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM PB, 1mM EDTA, 5mM β-Mercaptoethanol, 5% Trehalose, 400mM NaCl, pH6.5.
<b>Reconstitution</b>	Not Applicable

## Data



> 85 % as determined by reducing SDS-PAGE.

## 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  $\alpha\beta 1$ .

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