

**Product Name: Recombinant Human Galectin 9 (C-6His)**  
**Catalog #: PHH0707**

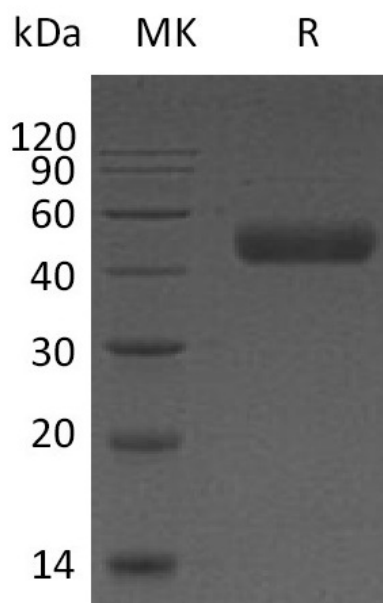


## Summary

<b>Name</b>	Galectin-9/LGALS9
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Galectin 9 is produced by our Mammalian expression system and the target gene encoding Met1-Thr323 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q3B8N1-2
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	36.7 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20 mM His-HCl, 8% Trehalose, 2% Mannitol, 0.05% Tween 80, 1mM EDTA, 1 mM DTT, pH6.0.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### **Alternative Names**

Galectin-9; Gal-9; Ecalectin; Tumor Antigen HOM-HD-21; LGALS9

### **Background**

Galectin-9 is a cytoplasmic protein that contains two galectin domains. Galectin-9 is an S-type lectin that is over-expressed in Hodgkins 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  $\alpha 4\beta 1$ .

### **Note**

For Research Use Only , Not for Diagnostic Use.