

## 32-7661: Recombinant Human Galectin 9 (C-6His)(Discontinued)

**Gene :** LGALS9  
**Gene ID :** 3965  
**Uniprot ID :** Q3B8N1

### Description

Source: 293HEK cells.  
MW :36.9kD.

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. 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  $\alpha 4$   $\beta 1$ .

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of MOPs. 50mM NaCl, 1mM EDTA, 2mM DTT, pH 7.4  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MAFSGSQAPYLSPAVPFSGTIQGGQLDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAHFHNPRFEDGGYVVC  
NTRQNGSWGPEERKTHMPFQKGMPPFDLCFLVQSSDFKVMVNGILFVQYFHRVPPFHRVDTISVNGSVQLSYISF  
QPPGVWPANPAPITQTVIHTVQSAPGQMFSTPAIPMMYHPAYPMPFITLGGLYPSKILLSGTVLPSAQRFHI  
NLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFSVWILCEAHCLKVAVDGQHLFEY  
YHRLRNLPINRLEVGGDIQLTHVQT

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

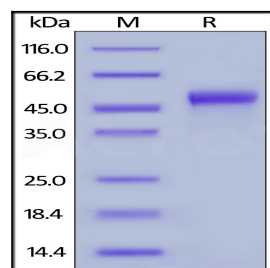


Fig.1: Human Galectin-9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.