

## 32-8887: Recombinant Human Galectin-9/LGALS9 (N-GST)(Discontinued)

**Gene :** LGALS9  
**Gene ID :** 3965  
**Uniprot ID :** O00182

### Description

Source: E.coli.  
MW :62.2kD.

Recombinant Human Galectin-9 is produced by our expression system and the target gene encoding Met1-Thr322 is expressed. 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 :** Supplied as a 0.2  $\mu$ m filtered solution of 1M PBS, 15% Glycerol, pH8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MSPILGYWKIKGLVQPTRLLLEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIA  
DKHNMLGGCPKERAIEISMLEGAVLDIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH  
PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPR  
GSMAFSGSQAPYLSAPVPFSGTIQGGQLDGLQITVNGTVLSSSGTRFAVNFQTGFSGNDIAFHFNPRFEDGGYV  
VCNTRQNGSWGPEERKTHMPFQKGMPFDLCFLVQSSDFKVMVNGILFVQYFHRVPFHRVDTISVNGSVQLSYI  
SFQPPGVWPANPAPITQTVIHTVQSAPGQMFSTPAIPPMYPHPAYPMPFITTILGGLYPSKSILLSGTVLPSAQR  
FHINLCSGNHIAFHLNPRFDENAVVRNTQIDNSWGSEERSLPRKMPFVRGQSFSVWILCEAHCLKVAVDGGQHL  
FEYYHRLRLNLPNTINRLEVGGDIQLTHVQT

### Application Note

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