

Product datasheet for **TP726911**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Galectin 9 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Thr323
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 50mM MOPS, 150mMNaCl, 1mM DTT ,1mM EDTA, 5%Trehalose,PH7.4.
Note:	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.
Storage:	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.
Stability:	12 months from date of despatch
Synonyms:	Galectin-9; Gal-9; Ecalectin; Tumor Antigen HOM-HD-21; LGALS9
Summary:	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 $\alpha 4 \beta 1$.



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