

## Product datasheet for **TP727602**

### Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Galectin-9/LGALS9 (N-GST)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Thr322
Tag:	N-GST
Buffer:	Supplied as a 0.2 um filtered solution of 1M PBS, 100 mM GSH, 1% Tritonx-100, 15% Glycerol, pH 8.0.
Note:	Recombinant Human Galectin-9 is produced by our E.coli expression system and the target gene encoding Met1-Thr322 is expressed with a GST tag at the N-terminus.
Stability:	12 months from date of despatch
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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