

## Recombinant Mouse Lgals9, His-tagged

**Cat. No.** Lgals9-696M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Lgals9(1-322aa) fused to His-tag at N-terminus, was expressed in E.coli.                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-322 a.a.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | LGALS9 is a member of animal lectins that have an affinity to beta-galactosides and forssman pentasaccharide. It is strongly overexpressed in Hodgkin's disease tissue and it might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its consistently associated immunodeficiency. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 38kDa (345aa)                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMALFSAQ SPYINPIIPF TGPIQGGLQE<br>GLQVTLQGT T KSFAQR FVN FQNSFNGNDI AFHFNPRFEEGGYVVCNTKQ<br>NGQWGPEERK MQMPFQKGMP FELCFLVQRS EFKVMVNKKF FVQYQHRVPY<br>HLVDTIAVSG CLKLSFITFQ TQNFRPAHQAPMAQTTHMV HSTPGQMFS<br>T PGIPPVVYPT PAYTIPFYTP IPNGLYPSKS IMISGNVLPD ATRFHINLRC<br>GGDIAFHLNP RFNENAVVRNTQINNSWGQE ERSLLGRMPF SRGQSFSVWI                                     |

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ICEGHCFKVA VNGQHMCEYY HRLKNLQDIN TLEVAGDIQL THVQT

**Purity** > 90% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [Lgals9 lectin, galactose binding, soluble 9 \[ Mus musculus \]](#)

**Official Symbol** Lgals9

**Synonyms** gal-9; Lgals5; LGALS35; AA407335; AI194909; AI265545; galectin-9; galectin-9; lectin, galactose binding, soluble 5

**Gene ID** [16859](#)

**mRNA Refseq** [NM\\_001159301](#)

**Protein Refseq** [NP\\_001152773](#)

**UniProt ID** O08573

**Chromosome Location** 11; 11 B5

**Pathway** Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Interleukin-2 signaling, organism-specific biosystem

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**Function**

carbohydrate binding; galactoside binding

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