

# Recombinant mouse Galectin-9/LGALS9 protein

Catalog Number: ATGP1887

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-322aa

### UniProt No.

O08573

### NCBI Accession No.

NP\_001152773

### Alternative Names

LGALS9, Lgals5, LGALS35, Galectin-9, gal-9

## PRODUCT SPECIFICATION

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### Molecular Weight

38.9 kDa (345aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

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. Recombinant mouse LGALS9 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

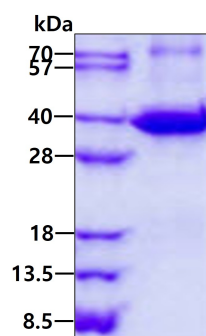
<MGSSHHHHHH SSGLVPRGSH MGS>MALFSAQ SPYINPIIPF TGPIQGGGLQE GLQVTLQGTT KSFAQRFVWN  
FQNSFNGNDI AFHFNPRFEE GGYVVCNTKQ NGQWGPEERK MQMPFQKGMP FELCFLVQRS EFKVMVNKKF FVQYQHRVPY  
HLVDTIAVSG CLKLSFITFQ TQNFPAHQ PMAQTTIHMV HSTPGQMFST PGIPPVVYPT PAYTIPFYTP IPNGLYPSKS  
IMISGNVLPD ATRFHINLRC GGDIAFHLNP RFNENAVVRN TQINNSWGQE ERLLGRMPF SRGQSFSVWI ICEGHCFKVA  
VNGQHMCEYY HRLKNLQDIN TLEVAGDIQL THVQT

## General References

Hirashima M, Kashio Y, et al. (2004). *Glycoconj J.* (7-9):593-600.  
Muehlfeit M, et al. (2006). *Biochem Biophys Res Commun.* 351(2):571-6.

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.