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## Product Data Sheet

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Product Name: LGALS2 Mouse, Active  
 Cat. No.: GP26024  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Galectin-2, Gal-2, Lgals2, 2200008F12Rik, AI324147.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSEKFEV KDLNMKPGMS LKIKGKIHND VDRFLINLGQ GKETLNLHFN PRFDESTIVC NTSEGGRWGQ EQRENHMCFS PGSEVKITIT FQDKDFKVTL PDGHQLTFPN RLGHNQLHYL SMGGLQISSF KLE		
Formulation	LGALS2 protein (1mg/ml) contains 10% glycerol, 0.1M NaCl, 1mM DTT and 20mM Tris-HCl buffer (pH 8.0).		

### Introduction

Galectin-2 or LGALS2 is a protein, part of the galectin proteins family. The galectin proteins family holds galectin proteins family lectins that mediates adhesion between cells or cells to ECM. This family also take part in pre-mRNA splicing, apoptosis & tumor progression. Galectin-2 induces apoptosis in T cells that are activated & binds to lymphotoxin-a, also can implicate on myocardial infarction. LGALS2 from human and mouse share about 65% amino acid sequence resemblance.

### Biological Activity

Measured by its ability to agglutinate human red blood cells. The ED50 is  $\geq 20\mu\text{g/ml}$ .

### Stability

Store at  $4^{\circ}\text{C}$  if entire vial will be used within 2-4 weeks. Store, frozen at  $-20^{\circ}\text{C}$  for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

LGALS2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chain containing 153 amino acids (1-130 a.a) and having a molecular mass of 17.3kDa. LGALS2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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