

# Mouse Galectin 3 Protein

Cat. No. GLT-MM103



## Description

Source	Recombinant Mouse Galectin 3 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala2-Ile264.
Accession	P16110
Molecular Weight	The protein has a predicted MW of 28.5 kDa. Due to glycosylation, the protein migrates to 43-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

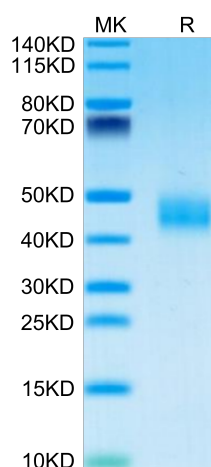
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 300mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Galectin-3 (Gal-3) is a 30 kDa  $\beta$ -galactose, highly conserved and widely distributed intracellularly and extracellularly. Gal-3 has been demonstrated in recent years to be a novel inflammatory factor participating in the process of intravascular inflammation, lipid endocytosis, macrophage activation, cellular proliferation, monocyte chemotaxis, and cell adhesion.

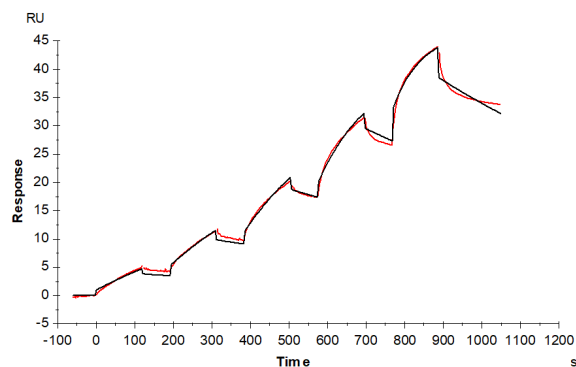
## Assay Data

### Tris-Bis PAGE



Mouse Galectin 3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SPR Data



Mouse Galectin-3, His Tag immobilized on CM5 Chip can bind Mouse LGALS3BP, His Tag with an affinity constant of 17.56 nM as determined in SPR assay (Biacore T200).