

## Mouse Galectin 3 Protein (N-His)

<b>Catalog Number:</b>	604402
<b>Size:</b>	100 ug
<b>Target Name:</b>	Galectin-3, LGALS3, MAC2, Gal-3, Mac-2 antigen
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Application:</b>	ELISA, BLI
<b>Format:</b>	Liquid, Purified
<b>Expression Host:</b>	HEK293
<b>Species:</b>	Mouse
<b>Accession Number:</b>	NP_034835
<b>Sources:</b>	Recombinant Mouse Galectin 3 (Ala2-Ile264) with N-His tag is expressed in 293 cells.
<b>Molecular Weight:</b>	This protein has a predicted molecular weight of 29.6 kDa. Under DTT-reducing conditions, the protein migrates at approximately 35-40 kDa on SDS-PAGE.
<b>Affinity Tag:</b>	N-His
<b>Purity:</b>	>90% based on SDS-PAGE under reducing condition
<b>Formulation:</b>	1xPBS buffer, pH7.4, 0.22 µm filtered
<b>Endotoxin level:</b>	Not tested
<b>Protein Concentration:</b>	25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.
<b>Storage and Handling:</b>	Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 µm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ -70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

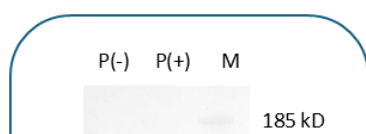
### BACKGROUND INFORMATION

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Galectin-3 is a multifunctional  $\beta$ -galactoside-binding protein belonging to the galectin family. It plays important roles in various biological processes, including cell adhesion, immune response modulation, inflammation, apoptosis, and tumor progression. Galectin-3 can be found both intracellularly and extracellularly, where it mediates cell-cell and cell-matrix interactions by binding to specific carbohydrate structures on glycoproteins and glycolipids. Due to its involvement in cancer, fibrosis, and immune regulation, Galectin-3 is a significant biomarker and potential therapeutic target.

### PRODUCT DATA

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Purified Mouse Galectin 3 Protein (N-His) on SDS-PAGE under reducing (P+) and non-reducing (P-) conditions. The purity of the purified protein appears to be greater than 90% based on reducing condition.

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