

## Technical Data Sheet

### Cynomolgus Monkey Galectin 3 Protein (N-His)

**Catalog Number:** 604501, 604502

**Size:** 25 ug, 100 ug

**Target Name:** Galectin-3, LGALS3, MAC2, Gal-3, Mac-2 antigen

**Regulatory Status:** RUO

#### Product Details

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**Application:** ELISA, BLI

**Format:** Liquid, Purified

**Expression Host:** HEK293

**Species:** Cynomolgus monkey

**Accession Number:** A0A2K5U233

**Sources:** Recombinant Cynomolgus Monkey Galectin 3 (Ala2-Ile248) with N-His tag is expressed in 293 cells.

**Molecular Weight:** This protein has a predicted molecular weight of 28.2 kDa. Under DTT-reducing conditions, the protein migrates at approximately 35-40 kDa on SDS-PAGE.

**Affinity Tag:** N-His

**Purity:** >95% based on SDS-PAGE under reducing condition

**Formulation:** 1xPBS buffer, pH7.4, 0.22 µm filtered

**Endotoxin level:** Not tested

**Protein Concentration:** 25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.

**Storage and Handling:** 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.

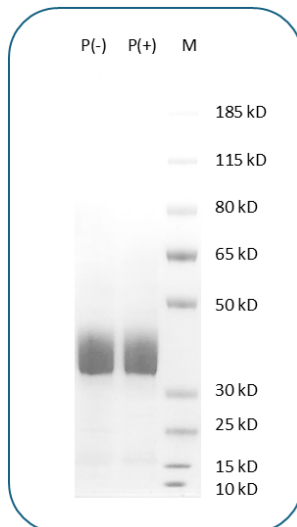
#### Background Information

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Galectin-3 is a multifunctional β-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 Cynomolgus Monkey 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 95% based on reducing condition.