

Human Galectin 3 Protein (N-His)

Catalog Number:	604301, 604302
Size:	25 ug, 100 ug
Target Name:	Galectin-3, LGALS3, MAC2, Gal-3, Mac-2 antigen
Regulatory Status:	RUO

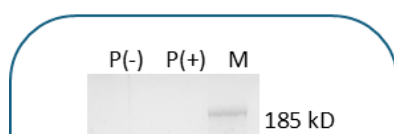
PRODUCT DETAILS

Application:	ELISA, BLI
Format:	Liquid, Purified
Expression Host:	HEK293
Species:	Human
Accession Number:	P17931
Sources:	Recombinant Human Galectin 3 (Ala2-Ile250) 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:	Less than 0.1 EU/µg protein as determined by the LAL method
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

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



Purified Human 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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