

# Recombinant Human Galectin-3 Protein(His Tag)

Catalog Number: PDEH100578



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

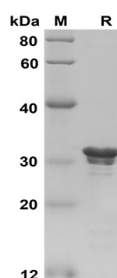
## Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Galectin-3 protein Met1-Ser94, with an N-terminal His
<b>Mol_Mass</b>	27.4 kDa
<b>Accession</b>	P17931
<b>Bio-activity</b>	Not validated for activity

## Properties

<b>Purity</b>	> 90% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

## Data



SDS-PAGE analysis of Human Galectin-3 proteins, 2µg/lane of Recombinant Human Galectin-3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 32 KD

## Background

Galectin-3 (Galectin 3) is a Protein Coding gene. This gene encodes a member of the galectin family of carbohydrate-binding proteins. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. Galectin-3 is a beta-galactoside-binding lectin and plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion, and T-cell regulation. Galectin-3 has an important role in tumor progression through inhibition of apoptosis. Galectin-3 expression is associated with neoplastic transformation and with differentiation of monocytes to macrophages. Elevated expression of Galectin-3 has been demonstrated in the synovium of rheumatoid arthritis (RA). Diseases associated with Galectin-3 include Follicular Adenoma and Papillary Carcinoma.

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