

# Human Galectin-3 Protein, His Tag (MALS verified)

Catalog # GA3-H5129



BIOSYSTEMS  
**Acro**

## Synonym

Galectin-3, LGALS3, MAC2, Gal-3, 35 kDa lectin, CBP 35, GALBP, IgE-binding protein, L-31, Laminin-binding protein, Lectin L-29, Mac-2 antigen

## Source

Human Galectin-3, His Tag (GA3-H5129) is expressed from E. coli cells. It contains AA Met 1 - Ile 250 (Accession # [NP\\_002297](#)).

Predicted N-terminus: Met 1

## Molecular Characterization

Galectin-3 (Met 1 - Ile 250)  
NP\_002297 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 27.0 kDa. The protein migrates as 32 kDa under reducing (R) condition (SDS-PAGE).

## Endotoxin

Less than 1.0 EU per  $\mu\text{g}$  by the LAL method.

## Purity

>92% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22  $\mu\text{m}$  filtered solution in 50 mM HEPES, 150 mM NaCl, pH 7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

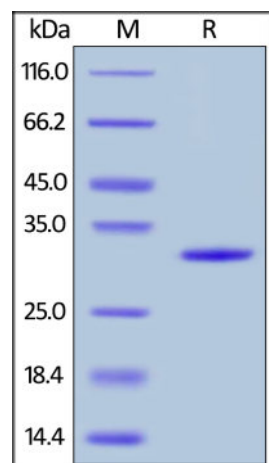
For long term storage, the product should be stored at lyophilized state at  $-20^{\circ}\text{C}$  or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

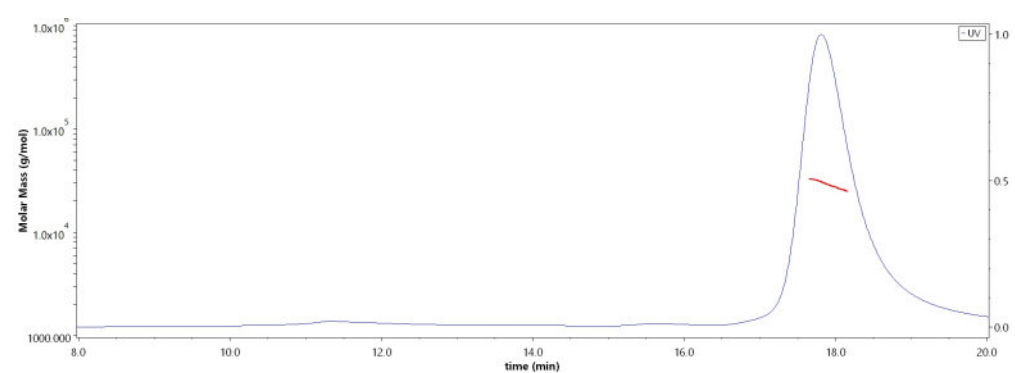
- $-20^{\circ}\text{C}$  to  $-70^{\circ}\text{C}$  for 12 months in lyophilized state;
- $-70^{\circ}\text{C}$  for 3 months under sterile conditions after reconstitution.

## SDS-PAGE



Human Galectin-3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 92%.

## SEC-MALS



The purity of Human Galectin-3, His Tag (Cat. No. GA3-H5129) is more than 90% and the molecular weight of this protein is around 23-35 kDa verified by SEC-MALS.

[Report](#)

## Background

Galectin-3 (Gal-3) is also known as LGALS3, 35 kDa lectin, Carbohydrate-binding protein 35 (CBP 35), Galactose-specific lectin 3, Galactoside-binding protein (GALBP), IgE-binding protein, Laminin-binding protein, Mac-2 antigen, Lectin L-29. Galectin-3 is a member of the lectin family. LGALS3 / Galectin-3 is expressed

Discounts, Gifts,  
and more!



## Human Galectin-3 Protein, His Tag (MALS verified)

Catalog # GA3-H5129



BIOSYSTEMS  
**Acro**

in the nucleus, cytoplasm, mitochondrion, cell surface, and extracellular space. LGALS3 / Galectin-3 has been shown to be involved in the following biological processes: cell adhesion, cell activation and chemoattraction, cell growth and differentiation, cell cycle, and apoptosis.

### Clinical and Translational Updates

Discounts, Gifts,  
and more!



➤ [www.acrobiosystems.com](http://www.acrobiosystems.com)

6/21/2024