

Human Galectin-3 Protein, His Tag

Catalog # GA3-H5247



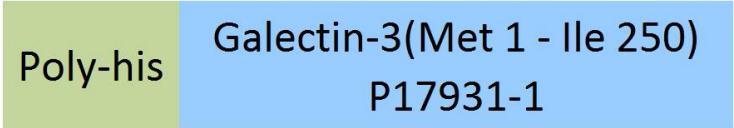
Synonym

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-H5247) is expressed from human 293 cells (HEK293). It contains AA Met 1 - Ile 250 (Accession # [P17931-1](#)).  
Predicted N-terminus: His

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.  
The protein has a calculated MW of 27.5 kDa. The protein migrates as 35-41 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM HEPES, 150 mM NaCl, pH7.4 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.*

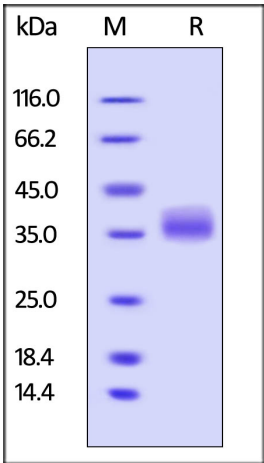
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°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 95%.

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 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.



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