

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 µg by the LAL method.

Purity

>92% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM HEPES, 150 mM NaCl, 5 mM EDTA, 2 mM TCEP, pH7.4. Normally trehalose is added as protectant before lyophilization.

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

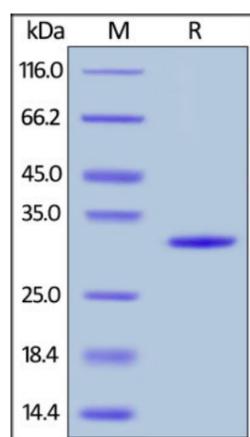
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

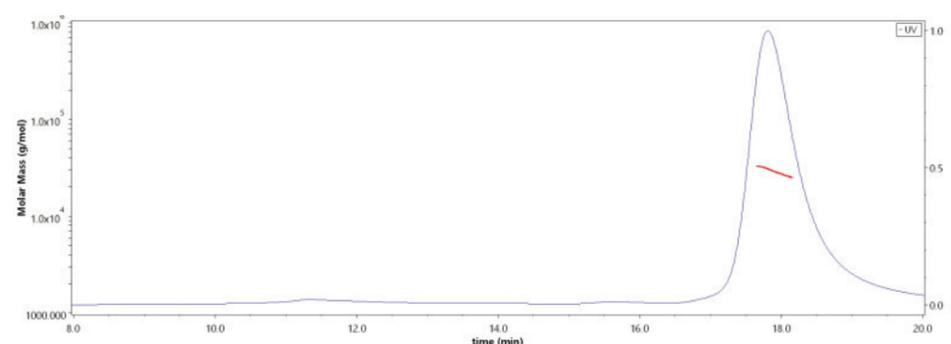
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Galectin-3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight 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

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

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.