

Recombinant Mouse Galectin-3/LGALS3 Protein

Catalog No.: RP03164

Sequence Information

Species	Gene ID
Mouse	16854
Swiss Prot	Tags
P16110	C-His

Synonyms

CBP35, GAL3, GALBP, GALIG, L31, LGALS2, MAC2, LGALS3, GAL3, GALBP, GALIG, L31, LGALS2, MAC2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
28.5 kDa.	43-50 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Galectin-3 (Gal-3) is a 30 kDa β-galactose, highly conserved and widely distributed intracellularly and extracellularly. Gal-3 has been demonstrated in recent years to be a novel inflammatory factor participating in the process of intravascular inflammation, lipid endocytosis, macrophage activation, cellular proliferation, monocyte chemotaxis, and cell adhesion.

Basic Information

Description

Recombinant Mouse Galectin-3/LGALS3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala2-Ile264) of Mouse Galectin-3/LGALS3 (Accession #CCDS26986.1) fused with his tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

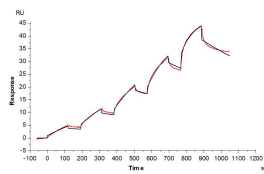
Contact

☎ | 400-999-6126

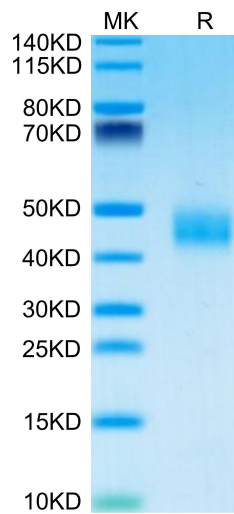
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Validation Data



Mouse Galectin-3, His Tag immobilized on CM5 Chip can bind Mouse LGALS3BP, His Tag with an affinity constant of 17.56 nM as determined in SPR assay (Biacore T200).



Recombinant Mouse Galectin-3/LGALS3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.