

Recombinant Mouse Galectin-3/Lgals3 protein (His Tag)



Catalog Number: PDEM100026

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

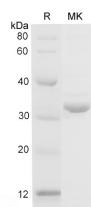
Description

Synonyms	35 kDa lectin;Carbohydrate binding protein 35;CBP35;GAL3;GALBP;GALIG;GBP;Gal-3;IgE binding protein;LGALS2;Macrophage galactose-specific lectin;Lectin L-29;Mac-2 antigen
Species	Mouse
Expression Host	E.coli
Sequence	Ala2-Ile264
Accession	P16110
Calculated Molecular Weight	27.4 kDa
Observed molecular weight	31-33 kDa
Tag	N-His
Bioactivity	Immunogen(D-AB-10267L)

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Galactose-specific lectin which binds IgE. May mediate with the alpha-3, beta-1 integrin the stimulation by CSPG4 of endothelial cells migration. Together with DMBT1, required for terminal differentiation of columnar epithelial cells during early embryogenesis. In the nucleus: acts as a pre-mRNA splicing factor. Involved in acute inflammatory responses including neutrophil activation and adhesion, chemoattraction of monocytes macrophages, opsonization of apoptotic neutrophils, and activation of mast cells. Together with TRIM16, coordinates the recognition of membrane damage with

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mobilization of the core autophagy regulators ATG16L1 and BECN1 in response to damaged endomembranes.

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