

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



Catalog Number: PDEM100026

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

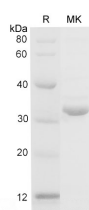
Description

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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