

Recombinant Human Galectin-3/LGALS3 Protein (His Tag)



Catalog Number:PKSH032473

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

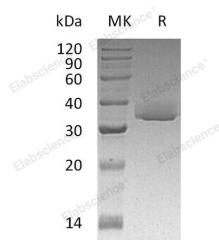
Description

Synonyms	Galectin-3;Gal-3;35 kDa Lectin;Carbohydrate-Binding Protein 35;CBP35;Galactose-Specific Lectin 3;Galactoside-Binding Protein;GALBP;IgE-Binding Protein;L-31;Laminin-Binding Protein;Lectin L-29;Mac-2 Antigen;LGALS3;MAC2;P35;GAL3;GALBP;GALIG;L31;LGALS2;MAC2
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala2-Ile250
Accession	AAH53667.1
Calculated Molecular Weight	27.2 kDa
Observed molecular weight	35 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
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 a 0.2 µm filtered solution of PBS, 3mM DTT, 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



> 95 % as determined by reducing SDS-PAGE.

Background

Galectin-3(LGALS3) is also known as Galactose-specific lectin 3; Mac-2 antigen; Carbohydrate-binding protein 35; Laminin-binding protein and Galactoside-binding protein. LGALS3 is highly expressed in early stages of papillary carcinoma; and lowly during tumor progression. LGALS3 is probably forms homo- or heterodimers and secreted by a non-classical secretory pathway and associates with the cell surface. LGALS3 plays an important role during the acquisition of vasculogenic mimicry and angiogenic properties. LGALS3 takes part in an immune regulator to inhibit T-cell immune

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responses and promote tumor growth; as a result providing a new mechanism for tumor immune tolerance.

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