Recombinant Human LGALS3

Catalog No: C846

Description	Recombinant Human Galectin-3 is produced by our Mammalian expression system and the target gene encoding Ala2-Ile250 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Galectin-3; Gal-3; 35 kDa Lectin; Carbohydrate-Binding Protein 35; CBP 35; Galactose-Specific Lectin 3; Galactoside-Binding Protein; GALBP; IgE-Binding Protein; L-31; Laminin-Binding Protein
Accession No.	P17931
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 3mM DTT.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Amino Acid Sequence	ADNFSLHDALSGSGNPNPQGWPGAWGNQPAGAGGYPGASYPGAYPGQAPPGAYPGQAPPGAYPGAPG AYPGAPAPGVYPGPPSGPGAYPSSGQPSATGAYPATGPYGAPAGPLIVPYNLPLPGGVVPRMLITILGTVK PNANRIALDFQRGNDVAFHFNPRFNENNRRVIVCNTKLDNNWGREERQSVFPFESGKPFKIQVLVEPDHFK VAVNDAHLLQYNHRVKKLNEISKLGISGDIDLTSASYT MIVDHHHHHH
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. LGLAS3 takes part in an immune regulator to inhibit T-cell immune responses and promote tumor growth, as a result providing a new mechanism for tumor immune tolerance.

SDS-Page