

Recombinant Human Galectin-3 (LGALS3)

Cat No:HR2R1445

For research use only

Overview

Quantity	100?g
Gene Symbol	LGALS3
Gene ID	3958
Accession	P17931
Alternative Name	IgE-Binding Protein, Gal-3, 35 kDa lectin, Carbohydrate-binding protein 35, CBP 35, Galactose-specific lectin 3, Galactoside-binding protein, GALBP, L-31, Laminin-binding protein, Lectin L-29, Mac-2 antigen
Species	Human
Source	E. coli
Description	Gal-3 interacts, via its lectin domain, with glycoproteins and glycolipids on the surface of animal cells. It has been shown that nuclear Gal?3 can modulate gene expression while cytosolic Gal?3 can inhibit apoptosis and participate in exocytosis. Gal-3 is generally expressed by the epithelial cells of many tissues as well as by inflammatory cells. An increased level of Gal-3 expression may lead to some lymphomas, as well as thyroid and hepatic carcinomas while the down-regulation has been associated with breast and colon cancer.
Functions	Measured by its ability to agglutinate human red blood cells. The ED(50) for this effect is typically 3-10 ?g/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS.
Solubility	Reconstitute at 50 ?g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin
Appearance	Lyophilized Powder
Molecular Weight	26.1
Purity	>95% as determined by SDS-PAGE
Concentration	< 1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.