

LEG3

Recombinant Human Galectin 3

Catalog No.	CRG003A	Quantity:	10 µg
	CRG003B		50 µg
	CRG003C		1.0 mg

Alternate Names: Galectin 3, CBP 35, GAL3, GALBP, GALIG, GBP, LGALS2, MAC2

Gene ID: 3958

Protein Accession No: NP_002297

Description: Lectins are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with beta-galactoside moieties. Galactin-3 regulates a number of biological processes, including embryogenesis, inflammatory responses, cell progression and metastasis. Galectin-3 can function intra-Cellularly in controlling cell cycle and preventing T-cell apoptosis, and also extraCellularly, in activating various cells, including monocytes/macrophages, mast cells, neutrophils, and lymphocytes. Recombinant Galectin-3 is a globular 26.0 kDa protein containing 250 amino acid residues, but no disulfide bonds.

Source: *E. coli*

Molecular Weight: 26.0 kDa

Formulation: Lyophilized from a sterile filtered solution containing 0.5X PBS, pH 7.2

Purity: > 98% as determined by SDS-PAGE analysis

Endotoxin Level: < 0.1 ng/µg of LGALS3

Biological Activity: Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 µg/ml with a peak response obtained at 250 µg/ml.

Reconstitution: **Centrifuge vial prior to opening.** First add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1-1.0 mg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C. **Avoid repeated freeze-thaw cycles.**

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