

## 32-12080: Human Galectin-3

**Gene :** LGALS3

**Gene ID :** 3958

**Uniprot ID :** P17931

**Alternative Name :** 35 kDa lectin, Carbohydrate-binding protein 35, Galactose-specific lectin 3, Galactoside-binding protein, IgE-binding protein, L-31, Laminin-binding protein, Lectin L-29, Mac-2 antigen, MAC2

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 26.2 kDa (250 aa)

Å Galectin-3 belongs to the lectin family of carbohydrate binding proteins. Galectin-3 is expressed by a wide range of cell types including activated T cells, tumor cells, macrophages, osteoclasts, fibroblasts, and epithelial cells. Galectin-3 has specific binding affinity for beta-galactoside sugar moieties and has functional roles during development, innate immunity, cell apoptosis, and tumor metastasis. Galectin-3 is associated with cancer, heart failure, stroke, and inflammation. The amino acid sequences of human and mouse Galectin-3 proteins share 80% homology.

### Product Info

**Amount :** 50 µg / 100 µg

**Purification :** Reducing and Non-Reducing SDS PAGE at >= 95%

**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM sodium chloride, pH 7.5  
Sterile water at 0.1 mg/mL

**Storage condition :** Store at -20°C

**Amino Acid :** MADNFLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP  
GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAP AGPLIVPYNL PLPGGVVPRM  
LITILGTVKP NANRIALDFQ RGNDAVAFHN PRFNENRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI  
QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI

### Application Note

**Endotoxin:** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80Å°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



