

## Recombinant Human LGALS3, His-tagged

Cat. No. LGALS3-222H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human LGALS3 encoding the human Galectin 3 (Met<sup>1</sup>-Ile<sup>250P</sup>) was recombined with his tag at the N Terminus. That was expressed in *E. Coli*, and purified by Ni-NTA Column. MW=26.2 KD.

**Species** Human

**Source** E.coli

**Description** Lectins, of either plant or animal origin, 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 is normally expressed in epithelia of a variety of tissues, including colon and endometrium, and in various inflammatory cells, including macrophages.

**Sequence** Human Galectin-3 (Met<sup>1</sup>- Ile<sup>250P</sup>)1MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAP AGPLIVPYNL PLPGGVVPRM LITILGTVKP NANRIALDFQ RGNDVAFHFN PRFNENRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI 250.

**Purity** >95% in SDS gel.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Formulation</b>	Lyophilized 100 µg human Galectin 3 in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
<b>Application</b>	Cell biology, ELISA.
<b>Reconstitution</b>	Add 500 µl deionized water to the vial to prepare a working stock solution at 200µg/mL. Allow to set at least 30 minutes at 4°C, mix well.
<b>Storage</b>	Store lyophilized protein at -20°C or -70°C. Lyophilized protein is stable for up to 6 months from date of receipt at -70°C. Upon reconstitution, this protein can be stored at for a few weeks or at -70°C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

## GENE INFORMATION

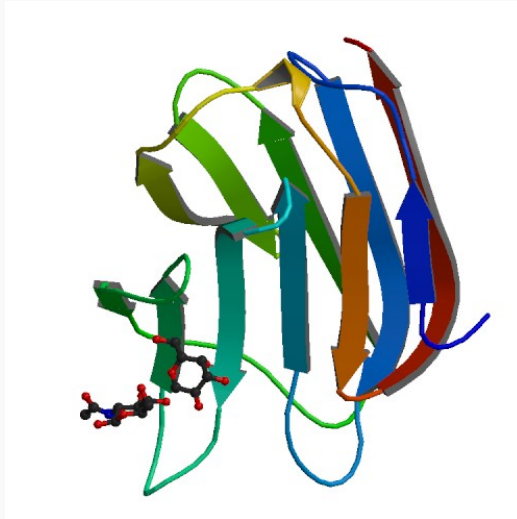
<b>Gene Name</b>	LGALS3 lectin, galactoside-binding, soluble, 3 [ <i>Canis lupus familiaris</i> ]
<b>Synonyms</b>	LGALS3;lectin, galactoside-binding, soluble, 3; Galectin-3; beta-galactosides-binding lectin; lectin, galactoside-binding, soluble, 3 (galectin 3)
<b>Gene ID</b>	404021
<b>UniProt ID</b>	P38486

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on 1a3k.



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