

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 ¹ -Ile ^{250P}) was recombined with his tag at the N Terminus. That was expressed in <i>E. Coli</i> , 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 ¹ - Ile ^{250P})1MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAP AGPLIVPYNL PLPGGVVPRM LITILGTVKP NANRIALDFQ RGNDVAFHFN PRFNENNRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI 250.
Purity	>95% in SDS gel.

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Formulation	Lyophilized 100 µg human Galectin 3 in 50 µl of TBS (20 mM Tris, 50mM NaCl, pH8.0). Carry free.
Application	Cell biology, ELISA.
Reconstitution	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.
Storage	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

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

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