

Recombinant Human LGALS1 (C-6His)

Catalog #	EPT022
Expression Host	E.coli
DESCRIPTION	Recombinant Human Galectin-1 is produced by our
	E.coli expression system and the target gene encoding
	Ala2-Asp135 is expressed with a 6His tag at the
	C-terminus.
Accession	P09382
Synonyms	Galectin-1; Gal-1; 14 kDa Laminin-Binding Protein;
	HLBP14; 14 kDa Lectin; Beta-Galactoside-Binding
	Lectin L-14-I; Galaptin; HBL; HPL; Lactose-Binding
	Lectin 1; Lectin Galactoside-Binding Soluble 1;
	Putative MAPK-Activating Protein PM12; S-Lac Lectin
	1; LG
Mol Mass	15.78 KDa
AP Mol Mass	15 KDa, reducing conditions

 Purity
 Greater than 95% as determined by reducing

 SDS-PAGE.

Endotoxin Less than 0.1 ng/µg (1 EU/µg) as determined by LAL



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NORA	
	test.
FORMULATION	Lyophilized from a 0.2 μ m filtered solution of 10mM
	PB, 200mM NaCl, 1mM DTT, pH 7.0.
RECONSTITUTION	Always centrifuge tubes before opening.Do not mix by
	vortex or pipetting.
	It is not recommended to reconstitute to a
	concentration less than 100µg/ml.
	Dissolve the lyophilized protein in distilled water.
	Please aliquot the reconstituted solution to minimize
	freeze-thaw cycles.
SHIPPING	The product is shipped at ambient temperature.
	Upon receipt, store it immediately at the temperature
	listed below.
STORAGE	Lyophilized protein should be stored at < -20 $^{\circ}$ C,
	though stable at room temperature for 3 weeks.
	Reconstituted protein solution can be stored at 4-7°C
	for 2-7 days.
	Aliquots of reconstituted samples are stable at $< -20^{\circ}$
	C for 3 months.
BACKGROUND	Galectin-1 is a member of growing family of

BACKGROUND Galectin-1 is a member of growing family of evolutionary conserved animal lectins. Galectin-1 is widely expressed in many cells and tissues. Galectins

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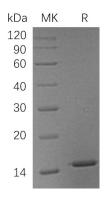
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consists Galectin domain of and two а Beta-galactoside binding domains. Galectin-1 can binds LGALS3BP and interacts with CD2, CD3, CD4, CD7, CD43 and CD45. Galectin-1 may act as an autocrine negative growth factor which regulates apoptosis, cell proliferation and cell differentiation. In addition, Galectin-1 plays improtant roles in immunosuppressive and antiinflammatory properties.



SDS-PAGE



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