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Datasheet for ABIN7318517 **LGALS1/Galectin 1 Protein (His tag)**

Overview

Quantity:	100 µg
Target:	LGALS1/Galectin 1 (LGALS1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LGALS1/Galectin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Galectin-1/LGALS1 Protein (His Tag)(Active)
Sequence:	Ala2-Asp135
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to agglutinate human red blood cells

Target Details

Target:	LGALS1/Galectin 1 (LGALS1)
Alternative Name:	Galectin-1/LGALS1 (LGALS1 Products)

Target Details

Background: 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 consists of a Galectin domain and two 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.

Synonym: 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, LGALS1,GAL1,GBP

Molecular Weight: 15.8 kDa

UniProt: [P09382](#)

Pathways: [Carbohydrate Homeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 10 mM PB, 200 mM NaCl, 2 mM DTT, pH 7.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.