Datasheet for ABIN1096714

LGALS1/Galectin 1 Protein (AA 2-135) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	LGALS1/Galectin 1 (LGALS1)
Protein Characteristics:	AA 2-135
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.
Application:	Functional Studies (Func)

Product Details

Purpose:	Recombinant Human Galectin-1/LGALS1 (C-6His)
Sequence:	ACGLVASNLN LKPGECLRVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC NSKDGGAWGT EQREAVFPFQ PGSVAEVCIT FDQANLTVKL PDGYEFKFPN RLNLEAINYM AADGDFKIKC VAFDLEHHHH HH
Characteristics:	Recombinant Human Galectin-1 is produced by our E. coli expression system. The target protein is expressed with sequence (Ala2-Asp135) of Human LGALS1 fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target:	LGALS1/Galectin 1 (LGALS1)
Alternative Name:	Galectin-1 (LGALS1 Products)
Sub Type:	Fusionprotein
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. Alternative Names: 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
Molecular Weight:	15.78 kDa
UniProt:	P09382
Pathways:	Carbohydrate Homeostasis

Application Details

Comment:	Biological activity: Measured by its ability to agglutinate human red blood cells.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 10 mM PB, 200 mM NaCl, 2 mM DTT, pH 7.0.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE

Handling

	which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°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°C for 3 months.
Expiry Date:	3 months