Datasheet for ABIN7281081

Galectin 3 Protein (LGALS3) (AA 1-264) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	Galectin 3 (LGALS3)
Protein Characteristics:	AA 1-264
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Galectin 3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMADSFSL NDALAGSGNP NPQGYPGAWG NQPGAGGYPG AAYPGAYPGQ APPGAYPGQA PPGAYPGQAP PSAYPGPTAP GAYPGPTAPG AYPGSTAPGA FPGQPGAPGA YPSAPGGYPA AGPYGVPAGP LTVPYDLPLP GGVMPRMLIT IMGTVKPNAN RIVLDFRRGN DVAFHFNPRF NENNRRVIVC NTKQDNNWGK EERQSAFPFE SGKPFKIQVL VEADHFKVAV NDAHLLQYNH RMKNLREISQ LGISGDITLT SANHAMI
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	The ED50 for this effect is equal or higher than 25 ug/ml. Measured by its ability to agglutinate human red blood cells.

Target Details

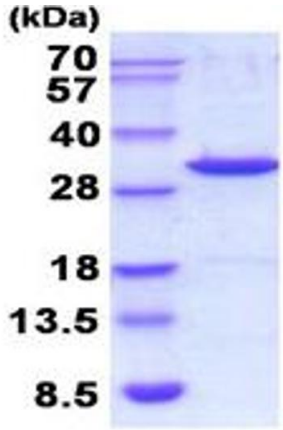
Target:	Galectin 3 (LGALS3)
Alternative Name:	LGALS3 (LGALS3 Products)
Target Type:	Chemical
Background:	LGALS3, also known as galectin 3, is a member of the family of animal lectins, which selectively binds beta-galactoside residues. This protein is secreted from cells by ectocytosis, which is independent of the classical secretory pathway through the endoplasmic reticulum/Golgi network. LGALS3 has been associated with the inhibition of apoptosis and the progression of cancer. It is normally distributed in epithelia of many organs, in various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins. Recombinant mouse LGALS3 protein, used to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	29.8 kDa (287aa) confirmed by MALDI-TOF
NCBI Accession:	NP_034835
Pathways:	RTK Signaling

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50 % glycerol,1 mM DTT, 2 mM EDTA
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.