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LGALS1/Galectin 1 Protein (AA 2-135) (Fc Tag)

Images



Overview

Quantity:	100 μg
Target:	LGALS1/Galectin 1 (LGALS1)
Protein Characteristics:	AA 2-135
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LGALS1/Galectin 1 protein is labelled with Fc Tag.

Product Details

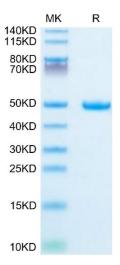
Purpose:	Mouse Galectin 1 Protein
Sequence:	Ala2-Glu135
Characteristics:	Recombinant Mouse Galectin 1 Protein is expressed from HEK293 with hFc tag at the N-Terminus.It contains Ala2-Glu135.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

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

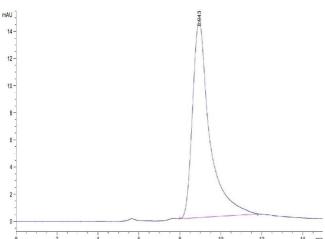
Target Details

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Background:	Galectin 1(Gal-1), a β -galactoside binding mammalian lectin of 14KDa, is implicated in many signalling pathways, immune responses associated with cancer progression and immune disorders. Inhibition of human Gal-1 has been regarded as one of the potential therapeutic approaches for the treatment of cancer, as it plays a major role in tumour development and metastasis by modulating various biological functions viz. apoptosis, angiogenesis, migration, cell immune escape.
Molecular Weight:	42 kDa. Due to glycosylation, the protein migrates to 45-52 kDa based on Tris-Bis PAGE result.
UniProt:	P16045
Pathways:	Carbohydrate Homeostasis
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse GAL1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse GAL1 is greater than $95\,\%$ as determined by SEC-HPLC.