



[Go to Product page](#)

Datasheet for ABIN7318519

Galectin 3 Protein (LGALS3) (His tag)

Overview

Quantity:	50 µg
Target:	Galectin 3 (LGALS3)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Galectin 3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Galectin-3/LGALS3 Protein (His Tag)(Active)
Sequence:	Ala2-Ile250
Characteristics:	Recombinant Human Galectin-3 is produced by our Mammalian expression system and the target gene encoding Ala2-Ile250 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:	Galectin 3 (LGALS3)
Alternative Name:	Galectin-3/LGALS3 (LGALS3 Products)

Target Details

Target Type:	Chemical
Background:	<p>Background: Galectin-3(LGALS3) is also known as Galactose-specific lectin 3, Mac-2 antigen, Carbohydrate-binding protein 35, Laminin-binding protein and Galactoside-binding protein. LGALS3 is highly expressed in early stages of papillary carcinoma, and lowly during tumor progression. LGALS3 is probably forms homo- or heterodimers and secreted by a non-classical secretory pathway and associates with the cell surface. LGALS3 plays an important role during the acquisition of vasculogenic mimicry and angiogenic properties. LGLAS3 takes part in an immune regulator to inhibit T-cell immune responses and promote tumor growth, as a result providing a new mechanism for tumor immune tolerance.</p> <p>Synonym: Galectin-3, Gal-3, 35 kDa Lectin, Carbohydrate-Binding Protein 35, CBP35, Galactose-Specific Lectin 3, Galactoside-Binding Protein, GALBP, IgE-Binding Protein, L-31, Laminin-Binding Protein, Lectin L-29, Mac-2 Antigen, LGALS3, MAC2, P35, GAL3, GALBP, GALIG, L31, LGALS2, MAC2</p>
Molecular Weight:	27.2 kDa
UniProt:	P17931
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4, 3 mM DTT.
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.