

## Galectin-1/LGALS1 Protein, Bovine, Recombinant (His & SUMO)

### General Information

Synonyms:	S-Lac lectin 1;Galectin-1;Lectin galactoside-binding soluble 1;14 kDa lectin;Lactose-binding lectin 1;LGALS1;Gal-1;Beta-galactoside-binding lectin L-14-I;Galaptin
Protein Construction:	2-135 aa
Species:	Bovine
Expression Host:	E. coli
Accession:	P11116
Molecular Weight:	30.6 kDa (predicted)
AA Sequence:	ACGLVASNLNLKPGECLRVRGEVAADAKSFLNLGKDDNNLCLHFNPRFNAHGVDNTIVCNSKDAGAWGA EQRESAFPFPQPGSVVEVCISFNQDTLTIKLPDGYEFKFPNRLNLEAINYLSAGGDFKIKCVAFE

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Lectin that binds beta-galactoside and a wide array of complex carbohydrates. Plays a role in regulating apoptosis, cell proliferation and cell differentiation. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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