Recombinant Bovine LGALS1 Protein (2-135 aa), His-SUMO-tagged

Cat. No. LGALS1-1989B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine LGALS1 Protein (2-135 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length of Mature Protein.
Species	Bovine
Source	E.coli
ProteinLength	2-135 aa
Description	Lectin that binds beta-galactoside and a wide array of complex carbohydrates (PubMed:1900835, PubMed:8108426, PubMed:7773775). 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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	30.6 kDa
AA Sequence	ACGLVASNLNLKPGECLRVRGEVAADAKSFLLNLGKDDNNLCLHFNPRFNAHGDVN TIVCNSKDAGAWGAEQRESAFPFQPGSVVEVCISFNQTDLTIKLPDGYEFKFPNRLN LEAINYLSAGGDFKIKCVAFE

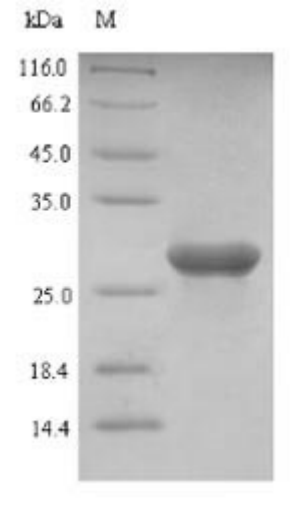
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	LGALS1 galectin 1 [Bos taurus (cattle)]
Official Symbol	LGALS1
Synonyms	LGALS1;
Gene ID	326598
mRNA Refseq	NM_175782
Protein Refseq	NP_786976
UniProt ID	P11116

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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