

Recombinant Mouse Lectin, Galactoside-Binding, Soluble, 1, His-tagged

Cat. No. LGALS1-7210M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse LGALS1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 17 kDa.
Species	Mouse
Source	E.coli
ProteinLength	1-135aa
Description	LGALS1 is a member of the beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This protein is an autocrine negative growth factor that regulates cell proliferation. It controls cell survival by inducing apoptosis of activated T cells and immature thymocytes, thus LGALS1 has immunosuppressive and anti-inflammatory properties. LGALS1 also regulates tumor angiogenesis and is a target for angiostatic cancer therapy.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.
Molecular Mass	17 kDa (159aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMACGLV ASNLNLKPGE CLKVRGEVAS DAKSFVLNLG KDSNNLCLHF NPRFNAHGDA NTIVCNTKED GTWGTEHREP AFPFQPGSIT EVCITFDQAD LTIKLPDGHE FKFPNRLNME AINYMAADGD

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	FKIKCVAFE
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	Lgals1 lectin, galactose binding, soluble 1 [Mus musculus]
Official Symbol	LGALS1
Synonyms	LGALS1; lectin, galactose binding, soluble 1; galectin-1; galaptin; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; beta-galactoside binding protein; lectin galactoside-binding soluble 1; beta-galactoside-binding lectin L-14-I; L14; Gal-1; Galbp; L-14.5; Lect14; AA410090;
Gene ID	16852
mRNA Refseq	NM_008495
Protein Refseq	NP_032521
Function	galactose binding; galactoside binding; glycoprotein binding; lactose binding; laminin binding; protein homodimerization activity; signal transducer activity; sugar binding;