

Recombinant Mouse Lectin, Galactose Binding, Soluble 7, His-tagged

Cat. No. Lgals7-7191M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Lgals7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 17.6kDa.
Species	Mouse
Source	E.coli
ProteinLength	1-136aa
Description	Lglas7, also known as galectin7, is a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Members of this family have been implicated in a variety of functions, including growth regulation, cell adhesion, migration, neoplastic transformation, and immune responses. It is expressed mainly in stratified squamous epithelium. Lgals7 protein is activated by p53 and repressed by retinoic acid. It is a pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2mM DTT.
Molecular Mass	17.6kDa (159aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSTQHK TSLPQGVRVG TVMRIRGMVP DQAGRFBVNL LCGEEQGADA ALHFNPRLDLT SEVVFNTEKQ GKWGREERT

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	GIPFERGQPF EVLLIATEEG FKAIVGDDEY LHFHHRMPPA RVRLVEVGGD VQLHSVKIF
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	Lgals7 lectin, galactose binding, soluble 7 [Mus musculus]
Official Symbol	Lgals7
Synonyms	LGALS7; lectin, galactose binding, soluble 7; galectin-7; gal-7; Pig1; Galectin-7; MGC151215; MGC151217;
Gene ID	16858
mRNA Refseq	NM_008496
Protein Refseq	NP_032522
Function	sugar binding;