

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-136aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2mM DTT.
<b>Molecular Mass</b>	17.6kDa (159aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSMSTQHK TSLPQGVRVG TVMRIRGMVP DQAGRFHVNL LCGEEQGADA ALHFNPRLD T SEVVFNTKEQ GKWGREERGT

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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;

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