

Recombinant Human LGALS7, His-tagged

Cat. No. LGALS7-3491H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LGALS7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	LGALS7, 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 10% glycerol, 1mM DTT.
Molecular Weight	17.2 kDa (156aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSNVPHKSSL PEGIRPGTVL RIRGLVPPNA SRFHVNLLCG EEQGSDAALH FNPRLDTSEV VFNSKEQGSW GREERGPVGP

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FQRGQPFEVL IASDDGFKA VVGDAQYHHF RHRLPLARVR LVEVGGDVQL
DSVRIF

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.

GENE INFORMATION

Gene Name

LGALS7 lectin, galactoside-binding, soluble, 7 [Homo sapiens]

Synonyms

LGALS7; GAL7; LGALS7A; galectin-7; galectin 7; lectin, galactoside-binding, soluble, 7

Gene ID

3963

mRNA Refseq

NM_002307

Protein Refseq

NP_002298

MIM

600615

UniProt ID

P47929

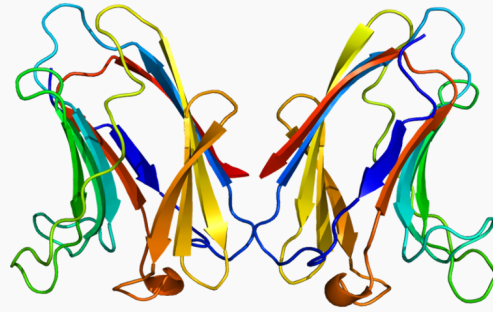
**Chromosome
Location**

19q13.2

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