

# Recombinant human Galectin-7/LGALS7 protein

Catalog Number: ATGP0986

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-136aa

**UniProt No.**

P47929

**NCBI Accession No.**

NP\_002298

**Alternative Names**

Galectin7, GAL7, LGALS7A, HKL-14, PI7, p53-induced gene 1 protein, TP53I1, PIG1, LGALS7A

## PRODUCT SPECIFICATION

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**Molecular Weight**

17.2 kDa (156aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**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. Recombinant human LGALS7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MSNVPHKSSL PEGIRPGTVL RIRGLVPPNA SRFHVNLLCG EEQGSDAALH  
FNPRLDTSEV VFNSKEQGSW GREERGPGVP FQRGQPFEVL IASDDGFKA VVGDAQYHHF RHRLPLARVR LVEVGGDVQL  
DSVRIF

## General References

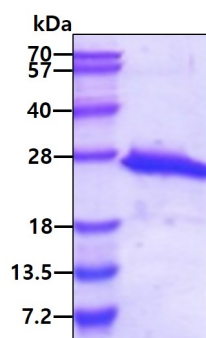
Magnaldo T., et al. (1995) Dev Biol. 168(2):259-71.

Magnaldo T., et al. (1998) Differentiation. 63(3):159-68.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.