Recombinant human Galectin-7/LGALS7 protein

Catalog Number: ATGP0986

PRODUCT INFORMATION

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

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
> 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

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

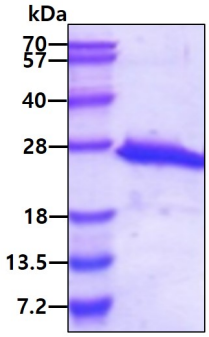
<MGSSHHHHHH SSGLVPRGSH> MSNVPHKSSL PEGIRPGTVL RIRGLVPPNA SRFHVNLLCG EEQGSDAALH FNPRLDTSEV VFNSKEQGSW GREERGPGVP FQRGQPFEVL IIASDDGFKA VVGDAQYHHF RHRLPLARVR LVEVGGDVQL DSVRIF

General References

Magnaldo T., et al. (1995) Dev Biol. 168(2):259-71.
Magnaldo T., et al. (1998) Differentiation. 63(3):159-68.

DATA

SDS-PAGE



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