

Recombinant mouse Galectin-7/LGALS7 protein

Catalog Number: ATGP1759

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-136aa

UniProt No.

Q9CRB1

NCBI Accession No.

NP_032522

Alternative Names

Lgals7, Galectin-7, Pig1

PRODUCT SPECIFICATION

Molecular Weight

17.6 kDa (159aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2mM 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

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. Recombinant mouse 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

MGSSHHHHHHH SGLVPRGSH MGSMSATQHK TSLPQGVRVG TVMRIRGMVP DQAGRFHVNL LCGEEQGADA
ALHFNRLDT SEVVFNTKEQ GKWGREERGT GIPFERGQPF EVLLIATEEG FKAVVGDDEY LHFHHRMPPA RVRLVEVGGD
VQLHSVKIF

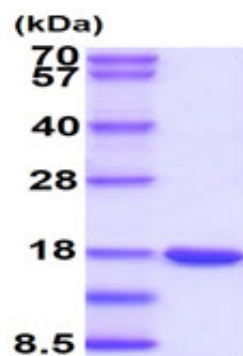
General References

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

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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