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AR50583PU-N Mouse Lgals7 (1-136, His-tag) - Purified

Alternate names:	Galectin-7, Galectin-7, Pig1
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	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 using conventional chromatography techniques
Uniprot ID:	Q9CRB1
NCBI:	NP_032522.2
GeneID:	16858
Species:	Mouse
Source:	E. coli
Format:	**State:** Liquid purified protein **Purity:** ›95% by SDS - PAGE **Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 2mM DTT
Description:	**AA Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMSATQHK TSLPQGVRVG TVMRIRGMVP DQAGRFHVNL LCGEEQGADA ALHFNPRLDT SEVVFNTKEQ GKWGREERGT GIPFERGQPF EVLLIATEEG FKAVVGDDEY LHFHHRMPPA RVRLVEVGGD VQLHSVKIF **Molecular weight:** 17.6 kDa (159aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Magnaldo T., et al. (1995) Dev Biol. 168(2):259-71. Magnaldo T., et al. (1998) Differentiation. 63(3):159-68.

Pictures:

(kDa)

70
57
40
28
18
13.5
8.5

15% SDS-PAGE (3ug)