

Product information

LGALS7, 1-136 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0986

Full name: Galectin7

NCBI Accession No.: NP_002298

Synonyms: GAL7, LGALS7A.

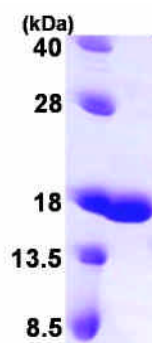
Description: LGALS7, also known as galectin7, is a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Members of this family have been implicated in a variety of functions, including growth regulation, cell adhesion, migration, neoplastic transformation, 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 using conventional chromatography techniques.

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)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MSNVPHKSSL PEGIRPGTVL RIRGLVPPNA SRFHVNLLCG EEQGSDAALH FNPRLDTSEV VFNSKEQGSW
GREERGPGVP FQRGQPFVL I IASDDGFKA VVGDAQYHHF RHRLPLARVR LVEVGQDVQL DSVRIF

General references:

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

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

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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