

LGALS7 cDNA

Catalog Number: ATGD0312

PRODUCT INFORMATION

Catalog number

ATGD0312

Product type

cDNA

Species

Mouse

NCBI Accession No.

NP_032522.2

Alternative Names

Lgals7, Galectin-7, Pig1

mRNA Refseq

NM_008496.4

OMIM**Chromosome location**

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PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

411bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

LGALS7 (galectin7) is a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-

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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.

DATA

Sequence nucleotides

```
ATGTCTGCTACCCAGCACAAAGACCTCCCTGCCTCAGGGCGTCCGCGTGGGCACTGTCATGAGAATTCGAGGCATGGTCCCT
GACCAGGCTGGCAGGTTCCATGTAAACCTGCTATGCGGTGAGGAGCAAGGAGCAGATGCCGCCTTGCACTTTAACCCGAG
GCTGGACACTTCCGAGGTTGTCTTCAACACCAAAGAACAAGGCAAATGGGGCCGTGAGGAGCGAGGCACCGGCATCCCCCT
TCGAGCGTGGGCAGCCCTTTGAAGTGCTCCTCATCGCCACAGAGGAAGGCTTCAAGGCTGTGGTCGGGGATGACGAATAT
CTCCACTTCCACCACCGGATGCCGCCCCGCGCGCTGCGCTTGGTGGAGGTGGGCGGAGACGTGCAGCTGCATTCAGTGAA
GATCTTCTAA
```

Transaction Sequence

```
MSATQHKTSL PQGVRVGTVM RIRGMVPDQA GRFHVNLLCG EEQGADAALH FNPRLDTSEVVNTKEQGKW GREERTGIP
FERGQPFEVL LIATEEGFKA VVGDDDEYLHF HHRMPPARVRLVEVGGDVQL HSKVIF
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