

## LGALSL cDNA

Catalog Number: ATGD0031

### PRODUCT INFORMATION

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**Catalog number**

ATGD0031

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_054900.2

**Alternative Names**

GRP, HSPC159

**mRNA Refseq**

NM\_014181.2

**OMIM**

**Chromosome location**

2p14

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

519bp

**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**

Galectin-related protein, also known as LGALSL, is a 172 amino acid protein that contains one galectin domain.

## LGALS1 cDNA

Catalog Number: ATGD0031

Galectins are a family of soluble b-galactoside-binding animal lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and also play a role in tumor progression, pre-mRNA splicing and apoptosis. However, LGALS1 does not appear to bind carbohydrates or lactose because the critical residues required for binding are not conserved

### DATA

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#### Sequence nucleotides

```
ATGGCGGGAT CAGTGGCCGA CAGCGATGCC GTGGTGAAAC TAGATGATGG CCATTTAAAC AACTCTTTGA
GCTCTCCAGT TCAAGCGGAC GTGTACTTCC CACGACTGAT AGTTCCATTT TGTGGGCACA TTAAAGGTGG
CATGAGACCA GGCAAGAAGG TGTTAGTGAT GGGCATCGTA GACCTCAACC CAGAGAGCTT TGCAATCAGC
TTGACCTGTG GGGACTCAGA AGACCCTCCT GCCGATGTGG CAATCGAACT CAAAGCTGTG TTCACAGATC
GGCAGCTACT CAGAAATTCT TGTATATCTG GGGAGAGGGG TGAAGAACAG TCAGCAATCC CTTACTTTCC
ATTCATTCCA GACCAGCCAT TCAGGGTGGA AATTCTTTGT GAGCACCCAC GTTTCCGAGT GTTTGTGGAT
GGACACCAAC TTTTGGATTT TTACCATCGC ATTCAAACGT TATCTGCAAT TGACACCATA AAGATAAATG GAGACCTCCA
GATACCAAG CTTGGCTGA
```

#### Transaction Sequence

```
MAGSVADSDA VVKLDDGHLN NSLSSPVQAD VYFPRIVPF CGHIKGGMRP GKKVLVMGIV DLNPESFAIS LTCGDSEDP
ADVAIELKAV FTDRQLLRNS CISGERGEEQ SAIPYFPFIP DQPRFVEILC EHPRFRVVDV GHQLDFDYHR IQTLSAIDI
KINGDLQITK LG
```