

LGALS13 cDNA

Catalog Number: ATGD0314

PRODUCT INFORMATION

Catalog number

ATGD0314

Product type

cDNA

Species

Human

NCBI Accession No.

NP_037400.1

Alternative Names

GAL13, PLAC8, PP13

mRNA Refseq

NM_013268.2

OMIM

608717

Chromosome location

19q13.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

420bp

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

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LGALS13 has lysophospholipase activity that act on biological membranes to regulate the multifunctional lysophospholipids. It is composed of two identical subunits which are held together by disulfide bonds. LGALS13 has structural similarity to several members of the beta-galactoside-binding S-type lectin family.

DATA

Sequence nucleotides

```
ATGTCTTCTTTACCCGTGCCATACAAACTGCCTGTGTCTTTGTCTGTTGGTTCCTGCGTGATAATCAAAGGGACACCAATCCA  
CTCTTTTATCAATGACCCACAGCTGCAGGTGGATTTCTACACTGACATGGATGAGGATTCAGATATTGCCTTCCGTTTCCGAG  
TGCACTTTGGCAATCATGTGGTCATGAACAGGCGTGAGTTTGGGATATGGATGTTGGAGGAGACAACAGACTACGTGCCCT  
TTGAGGATGGCAAACAATTTGAGCTGTGCATCTACGTACATTACAATGAGTATGAGATAAAGGTCAATGGCATAACGCATTTA  
CGGCTTTGTCCATCGAATCCCGCCATCATTTGTGAAGATGGTGCAAGTGTCGAGAGATATCTCCCTGACCTCAGTGTGTGTC  
TGCAATTGA
```

Transaction Sequence

```
MSSLPVPYKL PVLSVSGSCV IIKGTPIHSF INDPQLQVDF YTDMEDESDI AFRFRVHFGNHVVMNRREFG IWMLEETDY  
VPFEDGKQFE LCIYVHYNEY EIKVNGIRIY GFVHRIPPSFVKMVQVSRDI SLTSVCVCN
```