

Datasheet for ABIN4938075

## Human LGALS13 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	LGALS13
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human LGALS13 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	420 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTCTTCTT TACCCGTGCC ATACAACTG CCTGTGTCTT TGTCTGTTGG TTCCTGCGTG ATAATCAAAG GGACACCAAT CCACTCTTTT ATCAATGACC CACAGCTGCA GGTGGATTC TACTGACA TGGATGAGGA TTCAGATATT GCCTCCGTT TCCGAGTGCA CTTTGGCAAT CATGTGGTCA TGAACAGGCG TGAGTTTGGG ATATGGATGT TGGAGGAGAC AACAGACTAC

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## Product Details

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GTGCCCTTTG AGGATGGCAA ACAATTTGAG CTGTGCATCT ACGTACATTA CAATGAGTAT  
GAGATAAAGG TCAATGGCAT ACGCATTTAC GGCTTTGTCC ATCGAATCCC GCCATCATTT  
GTGAAGATGG TGCAAGTGTC GAGAGATATC TCCCTGACCT CAGTGTGTGT CTGCAATTGA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: LGALS13

Alternative Name: LGALS13 ([LGALS13 Products](#))

Background: Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene has lysophospholipase activity. It is composed of two identical subunits which are held together by disulfide bonds. This protein has structural similarity to several members of the beta-galactoside-binding S-type lectin family. [provided by RefSeq, Jul 2008].

Gene ID: 29124

NCBI Accession: [NM\\_013268](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

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## Handling

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- Storage Comment:
- Keep the vial sealed and store at -20°C for long-term storage.
  - Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
  - Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
  - If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
  - Close the lid and vortex the vial for 1 minute.
  - Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.
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Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)