

Datasheet for ABIN4927832

Human LGALS7B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	LGALS7B
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 LGALS7B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	411 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGTCCAACG TCCCCACAA GTCCTCACTG CCCGAGGGCA TCCGCCCTGG CACGGTGCTG AGAATTCGCG GCTTGGTTCC TCCAATGCC AGCAGGTTCC ATGTAAACCT GCTGTGCGGG GAGGAGCAGG GCTCCGATGC CGCCCTGCAT TTCAACCCCC GGCTGGACAC GTCGGAGGTG GTCTTCAACA GCAAGGAGCA AGGCTCCTGG GGCCCGGAGG AGCGCGGGCC GGGCGTTTCT

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Product Details

TTCCAGCGCG GGCAGCCCTT CGAGGTGCTC ATCATCGCGT CAGACGACGG CTTCAAGGCC
GTGGTTGGGG ACGCCCAGTA CCACCACTTC CGCCACCGCC TGCCGCTGGC GCGCGTGCGC
CTGGTGGAGG TGGGCGGGGA CGTGCACTG GACTCCGTGA GGATCTTCTG A

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

Gene: LGALS7B

Alternative Name: LGALS7B ([LGALS7B Products](#))

Background: The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:3963) is found adjacent to, but on the opposite strand on chromosome 19. [provided by RefSeq, Jul 2008].

Gene ID: 653499

NCBI Accession: [NM_001042507](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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Handling

- 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

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