

Datasheet for ABIN4928546

Human IGFL1 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	IGFL1
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 IGFL1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	333 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCTCCCC GAGGCTGCAT CGTAGCTGTC TTTGCCATTT TCTGCATCTC CAGGCTCCTC TGCTCACACG GAGCCCCAGT GGCCCCATG ACTCCTTACC TGATGCTGTG CCAGCCACAC AAGAGATGTG GGGACAAGTT CTACGACCCC CTGCAGCACT GTTGCTATGA TGATGCCGTC GTGCCCTTGG CCAGGACCCA GACGTGTGGA AACTGCACCT TCAGAGTCTG CTTTGAGCAG TGCTGCCCTT GGACCTTCAT GGTGAAGCTG ATAAACCAGA ACTGCGACTC AGCCCCGACC

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Product Details

TCGGATGACA GGCTTTGTCTG CAGTGTCAGC TAA

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: IGFL1

Alternative Name: IGFL1 ([IGFL1 Products](#))

Background: IGFL1 belongs to the insulin-like growth factor (IGF, see MIM 147440) family of signaling molecules that play critical roles in cellular energy metabolism and in growth and development, especially prenatal growth (Emtage et al., 2006 [PubMed 16890402]).[supplied by OMIM, Mar 2008].

Gene ID: 374918

NCBI Accession: [NM_198541](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

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.

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Handling

- 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)