

Datasheet for ABIN4928545

Human IGFL2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	IGFL2
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 IGFL2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	360 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGTGCCCA GAATCTTCGC TCCTGCTTAT GTGTCAGTCT GTCTCCTCCT CTTGTGTCCA AGGGAAGTCA TCGCTCCCGC TGGCTCAGAA CCATGGCTGT GCCAGCCGGC ACCCAGGTGT GGAGACAAGA TCTACAACCC CTTGGAGCAG TGCTGTTACA ATGACGCCAT CGTGTCCCTG AGCGAGACCC GCCAATGTGG TCCCCCTGC ACCTTCTGGC CCTGCTTTGA GCTCTGCTGT CTTGATTCCT TTGGCCTCAC AAACGATTTT GTTGTGAAGC TGAAGGTTCA GGGTGTGAAT

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Product Details

TCCCAGTGCC ACTCATCTCC CATCTCCAGT AAATGTGAAA GCAGAAGACG TTTTCCCTGA

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: IGFL2

Alternative Name: IGFL2 ([IGFL2 Products](#))

Background: IGFL2 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: 147920

NCBI Accession: [NM_001135113](#)

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)