

Datasheet for ABIN4928396

Human INS-IGF2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | INS-IGF2 |
| Species: | Human |
| Fusion tag: | DYKDDDDK Tag |
| Insert: | ORF |
| Vector: | Mammalian Expression Vector |
| Application: | Protein Expression (PEXP) |

Product Details

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|-----------------------|--|
| Purpose: | Expression/transfection ready cDNA ORF clone of Human INS-IGF2 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 603 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGGCCCTGT GGATGCGCCT CCTGCCCTG CTGGCGCTGC TGGCCCTCTG GGGACCTGAC CCAGCCGCAG CCTTTGTGAA CCAACACCTG TCGGGCTCAC ACCTGGTGGGA AGCTCTCTAC CTAGTGTGCG GGGAACGAGG CTTCTTCTAC ACACCCAAGA CCCGCCGGGA GGCAGAGGAC CTGCAGGCCT CAGCTTTGTC CCTCTCCTCC TCCACGTCAA CCTGGCCAGA GGGTCTGGAC |

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Product Details

GCCACAGCCA GGGCACCCCC TGCTTTGGTG GTGACTGCTA ATATTGGCCA GGCCGGCGGA
TCATCGTCCA GGCAGTTTCG GCAGAGAGCC TTGGGCACCA GTGACTCCCC GGTCTCTTT
ATCCACTGTC CAGGAGCTGC GGGGACTGCG CAGGGACTAG AGTACAGGGG CCGAAGAGTC
ACCACCGAGC TTGTGTGGGA GGAGGTGGAT TCCAGCCCC AGCCCCAGGG CTCTGAATCG
CTGCCAGCTC AGCCCCCTGC CCAGCCTGCC CCACAGCCTG AGCCCCAGCA GGCCAGAGAG
CCCAGTCTG AGGTGAGCTG CTGTGGCCTG TGGCCCAGGC GACCCCAGCG CTCCCAGAAC
TGA

| | |
|--------------------|--|
| 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: | <ul style="list-style-type: none">• 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: | INS-IGF2 |
| Alternative Name: | INS-IGF2 (INS-IGF2 Products) |
| Background: | This locus includes two alternatively spliced read-through transcript variants which align to the INS gene in the 5' region and to the IGF2 gene in the 3' region. One transcript is predicted to encode a protein which shares the N-terminus with the INS protein but has a distinct and longer C-terminus, whereas the other transcript is a candidate for nonsense-mediated decay (NMD). The transcripts are imprinted and are paternally expressed in the limb and eye. [provided by RefSeq, Jul 2008]. |
| Gene ID: | 723961 |
| NCBI Accession: | NM_001042376 |

Application Details

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

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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.
- 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.

Expiry Date: 12 months

Publications

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