

Datasheet for ABIN4928542

Human IGLL5 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

| | |
|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | IGLL5 |
| 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 IGLL5 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 645 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGAGACCCA AGACAGGCCA AGTGGGTTGT GAGACCCCTG AGGAGCTGGG CCCTGGTCCC AGGCAGCGCT GGCCCCTGCT GCTGCTGGGT CTGGCCATGG TCGCCATGG CCTGCTGCGC CCAATGGTTG CACCGCAAAG CGGGGACCCA GACCCTGGAG CCTCAGTTGG AAGCAGCCGA TCCAGCCTGC GGAGCCTGTG GGGCAGGCTC CTGCTCCAGC CCAGCCCCCA GAGAGCAGAC CCCAGGTGCT GGCCCCGGGG GTTTTGGTCT GAGCCTCAGT CACTGTGTTA TGTCTTCGGA |

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Product Details

ACTGGGACCA AGGTCACCGT CCTAGGTCAG CCCAAGGCCA ACCCCACTGT CACTCTGTTC
CCGCCCTCCT CTGAGGAGCT CCAAGCCAAC AAGGCCACAC TAGTGTGTCT GATCAGTGAC
TTCTACCCGG GAGCTGTGAC AGTGGCCTGG AAGGCAGATG GCAGCCCCGT CAAGGCGGGA
GTGGAGACCA CCAACCCTC CAAACAGAGC AACAACAAGT ACGCGGCCAG CAGCTACCTG
AGCCTGACGC CCGAGCAGTG GAAGTCCCAC AGAAGCTACA GCTGCCAGGT CACGCATGAA
GGGAGCACCG TGGAGAAGAC AGTGGCCCCT ACAGAATGTT CATAG

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: IGLL5

Alternative Name: IGLL5 ([IGLL5 Products](#))

Background: This gene encodes one of the immunoglobulin lambda-like polypeptides. It is located within the immunoglobulin lambda locus but it does not require somatic rearrangement for expression. The first exon of this gene is unrelated to immunoglobulin variable genes, the second and third exons are the immunoglobulin lambda joining 1 and the immunoglobulin lambda constant 1 gene segments. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010].

Gene ID: 100423062

NCBI Accession: [NM_001178126](#)

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)