

Datasheet for ABIN4925343

Human PMF1-BGLAP ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

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|--------------|-----------------------------|
| Quantity: | 10 µg |
| Gene: | PMF1-BGLAP |
| 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 PMF1-BGLAP with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells. |
| Brand: | GenEZ™ |
| Insert Length: | 636 bp |
| Vector Backbone: | pcDNA3.1+C-(K)-DYK |
| Promoter: | CMV Promoter |
| Selectable Marker: | Neomycin |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient, Stable |
| Sequence: | ATGGCCGAAG CAAGTAGCGC CAATCTAGGC AGCGGCTGTG AGGAAAAAAG GCATGAGGGG TCGTCTTCGG AATCTGTGCC ACCCGGCACT ACCATTTCGA GGGTGAAGCT CCTCGACACC ATGGTGGACA CTTTTCTTCA GAAGCTGGTC GCCGCCGGCA GCTACCAGAG ATTCACTGAC TGCTATAAGT GCTTCTACCA GTTGCAGCCT GCGATGACAC AGCAAATCTA TGACAAGTTT |

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Product Details

ATAGCTCAGT TGCAGACATC TATCCGGGAG GAAATCTCTG ACATCAAAGA GGAGGGGAAC
CTAGAAGCTG TCTTGAATGC CTTGGATAAA ATTGTGGAAG AAGGCAAAGT CCGCAAAGAG
CCAGCCTGGC GCCCCAGCGG GATCCCAGAG AAGGATCTGC ACAGTGTTAT GGCACCCTAC
TTCCTGCAGC AACGGGACAC CCTGCGGCGC CATGTGCAGA AACAGGAGGC CGAGAACCAG
CAGCTGGCAG ATGCCGTCCT GGCAGGGCGG AGGCAGGTGG AGGAGCTGCA GCTACAGGTC
CAGGCCAGC AGCAGGCCTG GCAGGTGCGA AGCCCAGCGG TGCAGAGTCC AGCAAAGGTG
CAGCCTTTGT GTCCAAGCAG GAGGGCAGCG AGGTAG

| | |
|--------------------|--|
| 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: | PMF1-BGLAP |
| Alternative Name: | PMF1-BGLAP (PMF1-BGLAP Products) |
| Background: | This locus represents naturally occurring read-through transcription between the neighboring PMF1 (polyamine-modulated factor 1) and BGLAP (bone gamma-carboxyglutamate Gla protein) genes on chromosome 1. Alternative splicing results in multiple transcript variants encoding isoforms that share sequence identity with the upstream gene product, but they contain distinct C-termini due to frameshifts versus the downstream gene coding sequence. [provided by RefSeq, Dec 2010]. |
| Gene ID: | 100527963 |
| NCBI Accession: | NM_001199662 |

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)