

Datasheet for ABIN4925342

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

Overview

Quantity:	10 µg
Gene:	PMF1-BGLAP
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 PMF1-BGLAP with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	663 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
CCAGCCTGCA ACGGGACACC CTGCGGCGCC ATGTGCAGAA ACAGGAGGCC GAGAACCAGC
AGCTGGCAGA TGCCGTCCTG GCAGGGCGGA GGCAGGTGGA GGAGCTGCAG CTACAGGTCC
AGGCCAGCA GCAGGCCTGG CAGGTGCGAA GCCCAGCGGT GCAGAGTCCA GCAAAGGTGC
AGCCTTTGTG TCCAAGCAGG AGGGCAGCGA GGTAGTGAAG AGACCCAGGC GCTACCTGTA
TCAATGGCTG GGAGCCCCAG TCCCCTACCC GGATCCCCTG GAGCCCAGGA GGGAGGTGTG
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:

- 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: 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_001199661](#)

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)