

Product datasheet for **RC233474**

PMF1-BGLAP (NM_001199661) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PMF1-BGLAP (NM_001199661) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PMF1-BGLAP
Synonyms:	PMF-1; PMF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233474 representing NM_001199661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAAGCAAGTAGCGCAATCTAGGCAGCGGCTGTGAGGAAAAAGGCATGAGGGTCTCTTCGG
 AATCTGTGCCACCCGGCACTACCATTTTCGAGGGTGAAGCTCCTCGACACCATGGTGGACACTTTTCTTCA
 GAAGCTGGTCGCCGCCGGCAGCTACCAGAGATTCAGTACTGCTATAAGTGCTTCTACCAGTTGCAGCCT
 GCGATGACACAGCAAATCTATGACAAGTTTATAGCTCAGTTGCAGACATCTATCCGGGAGGAAATCTCTG
 ACATCAAAGAGGAGGGGAACCTAGAAGCTGTCTTGAATGCCTTGGATAAAATTGTGGAAGAAGGCAAAGT
 CCGCAAAGAGCCAGCCTGCAACGGGACACCTGCGGCGCCATGTGCAGAAACAGGAGGCCGAGAACCAGC
 AGCTGGCAGATGCCGTCCTGGCAGGGCGGAGGCAGGTGGAGGAGCTGCAGCTACAGGTCCAGGCCAGCA
 GCAGGCCTGGCAGGTGCGAAGCCAGCGGTGCAGAGTCCAGCAAAGGTGCAGCCTTTGTGTCCAAGCAGG
 AGGGCAGCGAGGTAGTGAAGAGACCCAGGCGCTACCTGTATCAATGGCTGGGAGCCCCAGTCCCCTACCC
 GGATCCCCTGGAGCCCAGGAGGGAGGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC233474 representing NM_001199661

Red=Cloning site Green=Tags(s)

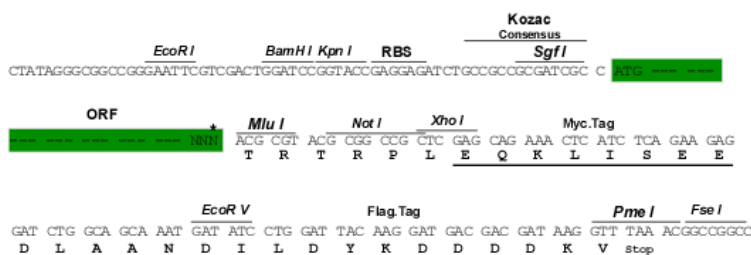
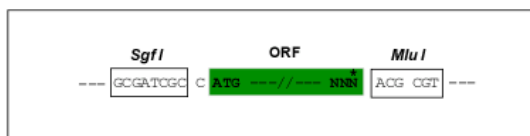
MAEASSANLGS GCEEKRHEGSSSESVP PGT TISRVKLLDTMVD TFLQKLVAAGSYQRFTDCYKCFYQLQP
AMTQQIYDKFIAQLQTSIREEISDIKEEGNLEAVLNALDKIVEEGKVRKEPACNGTPCGAMCRNRRPRTS
SWQMPSWQGGGRWRSCSYSRPSSRPGRCEAQR CRVQQRCSLCVQAGGQRGSEETQALPVSMAGSP SPLP
GSPGAQEGGV

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001199661

ORF Size: 660 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001199661.1, NP_001186590.1

RefSeq Size: 940 bp

RefSeq ORF: 663 bp

Locus ID: 100527963

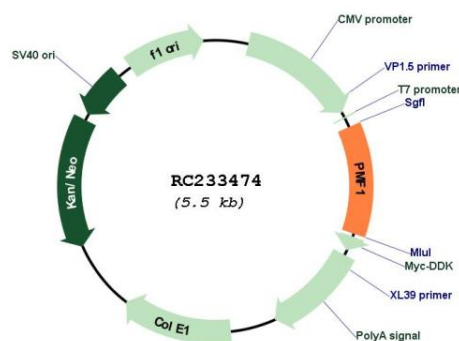
UniProt ID: Q6P1K2

Cytogenetics: 1q22

MW: 24.5 kDa

Gene Summary: 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]

Product images:



Circular map for RC233474