

Product datasheet for **RC236005**

PMF1-BGLAP (NM_001199664) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PMF1-BGLAP (NM_001199664) 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: >RC236005 representing NM_001199664
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCCGAAGCAAGTAGCGCCAATCTAGGCAGCGGCTGTGAGGAAAAAGGCATGAGGGGTCGTCTTCGG
 AATCTGTGCCACCCGGCACTACCATTTGAGGGTGAAGCTCCTCGACACCATGGTGGACACTTTTCTTCA
 GAAGCTGGTCGCCGCCGCGGAGGCGCCCGAGCGGGATCCCAGAGAAGGATCTGCACAGTGTATGGCACCC
 TACTTCTGCAGCAACGGGACACCCTGCGGCGCCATGTGCAGAAACAGGAGGCCGAGAACCAGCAGCTGG
 CAGATGCCGTCTTGGCAGGGCGGAGGCAGGTGGAGGAGCTGCAGCTACAGGTCCAGGCCAGCAGCAGGC
 CTGGCAGGTGCGAAGCCAGCGGTGCAGAGTCCAGCAAAGGTGCAGCCTTTGTGTCCAAGCAGGAGGGCA
 GCGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236005 representing NM_001199664
Red=Cloning site Green=Tags(s)

MAEASSANLGSCEEKREHGSSESVPPTTISRVLKLDTMVDTFLQKLVAAGRPSGIPEKDLHSVMAP
 YFLQQRDTLRRHVQKQEAENQQLADAVLAGRRQVEELQLQVQAQQAWQVRSPAVQSPAKVQPLCPSRRA
 AR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001199664

ORF Size: 426 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_001199664.1](#), [NP_001186593.1](#)

RefSeq Size: 794 bp

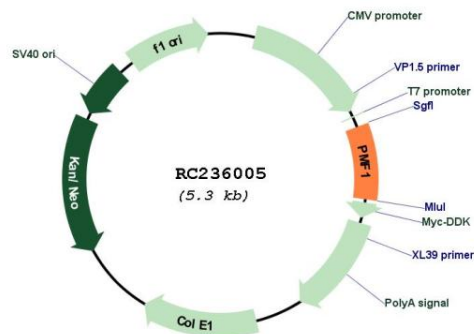
RefSeq ORF: 429 bp

Locus ID: 100527963

Cytogenetics: 1q22
MW: 16.1 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 RC236005