

Product datasheet for **RC225803**

PRAMEF17 (NM_001099851) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PRAMEF17
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC225803 representing NM_001099851
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCCTCCAGTCCCATCCAGACTCCTGGAGCTGGCAGGCCAGAGCCTGCTGAGGAACCAAGTCTTGA
 CCATCTTCATCCTGGACGAGCTGCCAGGGAGGTCTTCCCTCTGATGTTTCATGGAGGCCTCCAGCATGAG
 ACATTTTGAAGCCTGAAGCTGATGGTGCAGGCCTGGCCCTTCTCCGCTCCCTCTGGGATCCCTGATG
 AAGACACCTCATCTGGAGACCTTGAAGCTGTGCTGAAGGGACTTGATACACTGCTGGCCAGAAAGCTTC
 GCCCCAGGAGGTGAAACTTCAAGTGTGGATTGCGGGATGTTGATGGGAATTTCTGGACTATATGGTC
 TGGAGCCAGGGCCCTCTCTGCTCCCAAGGCCATGAGTAAGAGGCAGACAGTGGAGGACTATCCAAGG
 ACGGGAGAGACCAGCCCTTGAAGGTGTTATAGACCTCTGCCAAAAGGAAAGTAACTGGATGAATGCC
 TGAGCTACCTCTGCAGGTGGATCCACTACAGAAGAGGTCTAGTGCACCTGTGTTGTAATAAGGTGCAGAA
 TTAAGTCAATGCCACTTCAAGTTTCAGAAATTTATTGAAAAGGTATACCCAGACAGTATCCAGGAGTTG
 GAAATTAAGAGAAAGTGTCTCTGAATAAAACAGGAAAGTTTGCCCTTACTTGAGCCAGATGAGCAATC
 TTCGAAACTCTTTTATGCTTTCGCTTATGACGATGAGTTATATGAAGCGGCCAACAGCAGTTCGTTCC
 TGACTTGGACTGTCCATTCCTCTGCTGTACTACCTCAGATGCTTTATATAAGAAAGATCAGTAATATC
 AAAGACACCTGGAGCACCTGCTCAGTGCCTCAAGAACCCCTTGGGAACCTTTATATTCTGTCTGCTT
 ACCTAGCTGATCAGGACATGGAGTGTCTGTCTCAGTACCAAGCCTCAGTCAGCTAAAGGAGCTGCATCT
 GATTATATCTTAATGTGGACCACCAATCTTGAGCCCTTGGAGCTCTGCTAGAGAAAGTTGCTGCTACT
 CTCGAGATCCTCACGTTAAAGGACTGTGAGTCCAGGACTCCAGCTCAGGGTCTCTGCTGCCCTGA
 GCCGCTGCTCCAGCTCACCACCTTCTACTTTCGCGGAAATGAGACCTCCAGCAATGCTCTGAAAGACCT
 GCTGTGTACACAGGTGGGCTGAGCAAGTTAGGTCTGGAGTTGTATCCTGCCCTCTGGAGTGTCTTGAC
 AACAGGGGTGATGTCAATTGGGAGATCCTCGCCCAATTGCGGCTGAGCTGATGTGTACACTCAGGGAAG
 TCAGGCAGCCCAAGAGGATCTTTTGGTCCCATCCCTGCCCTTCTGTGGCTCATGGCCATCTGAGAA
 AGTGGACTTCCATCTTTGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225803 representing NM_001099851
 Red=Cloning site Green=Tags(s)

MSLQSPSRLLLELAGQSLRNQFLTIFILDELPREVFPLMFMEASSMRHFEALKLMVQAWPFLRLPLGSLM
 KTHPLETLQAVLKGLDTLLAQKLPRRWKLQVLDLQVLDGDFWTFIWSGARALSCSPEAMSKRQTVEDYPR
 TGEHQPLKVFIDLQKESTLDECLSYLCRWIHYRRGLVHLCCNKVQNYSMPTSSFRNLLKRVYPDSIQEL
 EIKRKCSLNTGKFAPYLSQMSNLRKLFLAFGYDDELTVSGQQQFVDPDLPFLCLYYPQMLYIRKISNI
 KEHLEHLLRCLKNPLGTFIFCHAYLADQDMECLSQYPSLSQLKELHLIHLMTWTNLEPLGALLEKVAAT
 LEILTLDKDCIQDSQRLVLLPALSRCSQLTTFYFRGNETSTNALKDLLCHTGGLSKLGLLELYPAPLECLD
 NRGHVNWELAPIRAELMCTLREVQPKRIFFGPIPCPSGSPSEKVDFFHLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1410_a03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001099851

ORF Size: 1422 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.

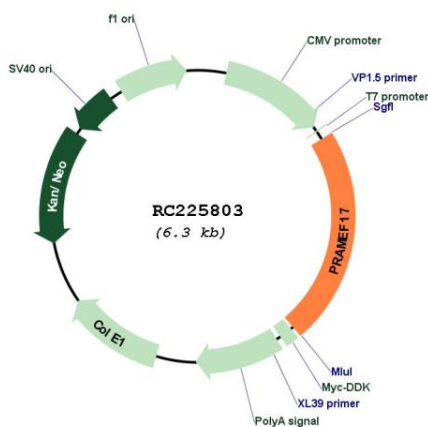
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001099851.2](#)

RefSeq ORF: 1425 bp

Locus ID: 391004
 UniProt ID: [Q5VTA0](#)
 Cytogenetics: 1p36.21
 MW: 54.6 kDa

Product images:



Circular map for RC225803

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate