

Product datasheet for **RC218336**

PRAMEF18 (NM_001099850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAMEF18 (NM_001099850) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRAMEF18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC218336 representing NM_001099850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTTCCAGGCCCCACGAGACTCCTGGAGCTGGCAGGGCAGAGCCTGCTGAGGGACCAGGCCTTGG
 CCATCTCCGTCCTGGATGAGCTGCCCAGGGAGCTCTCCCCGACTGTTGCTGGAGGCCTTCACTAGCAG
 ACGCTGCGAGGTTCTGAAGGTGATGGTGAGGCCTGGCCCTTCCCTGCCTCCCTCTGGGGTCCCTGATG
 AAGACGCCTGATCTGGAGATCTTACATTATGTAGTGGATGGGATTGATTGCCTGCTTGCCAAAAGGTTT
 GCCCCAGGAGGTGAAACTTCAAGTGCTGGAAATGCGGGATGTTGATGAGAATTTTGGACCATATGGTC
 TGGAGCCAGGCCCTGTCTGCTCCCCAGAGGCCATGAGTAAGAGACAGACAGTGGAGGACTGTCCAAGG
 ACAGGAGAGAAGCAGCCCTGAAGGTGTTGATGGATGTTTGCCTCAAGGAAAAATCCGTGGATGAAGATC
 TGAGCTTCTTCTCTGGTGGGTGCAGCACAGAAGACGTTCACTACACCTGTGCTGTACTAAGGTGGTAAA
 TTATTCATGAACATTCTAAATTCAGAAACATATTAGAAACAGTATACCCAGACAGTATCCAAGTATTG
 GAAATTTGGAACATGTGCTGGCCGTGTATGGTAGCAGAGGTTAGCCGTTACCTGAGCCAGATGAAGAATC
 TTCGAAAACCTCTTCATCTCCGATGGCTGTGGTTACCTGCCAAGCTTTGAGAGCCAAGGACAGTTAGTTGC
 TGAATTCAGCTCTGTGTTCTCAGGCTGGAGTACCTCCAGATGCTTTATATGAGAAGGATCCGCTTCTTC
 GAAGGCTACCTGGACAGCTGATCAGGTGCCTCAAGAGCCCGTTGGAGACATTGGCATTAACTTATGGCT
 CCCTAGATGAAGAGGACTTGAATGTCTGCCCTGGTACCCAAGTCTCAGTCAACTGAAGCAGCTGAATCT
 GAGTCATGGTACACTGCGCTTCATCCGCTTGAGCCCCCTCGAGCTCTGCTAGAGAAAGTTGCTGCCACT
 CTTGAGACCCTCTTCTAGTGGACTGTGGGATTGGGACTCCAACTCAGGGTCATCCTGCCTGCCCTGA
 GCCGCTGCTCCAACTCACCCTTCTGCTTTACGGCAATGACACGTCATGGATGGTCTGAAGGACCT
 GCTGCGCCACACAGGCAGGCTGAGCAATTTGAGCCTGGAAACATATCCTGCCCTCGGGAGAGTCTTGAC
 AACAGGGGTGCTGTCTTTCGGAGCTCCTACCCCACTTCAGGCTGAGCTGATGCGTATACTGAGGGAAG
 TAAGGGAGCCCAACAGGATCTTCTTTGGTCCGCTCTCCTGCCCTGCTGTGGCATGTACCCACTGAGCA
 ACTGGAGTTCAATTTTCTGCTGCGGGGAAGCCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218336 representing NM_001099850
 Red=Cloning site Green=Tags(s)

MSFQAPRRLLLELAGQSLRLDQALAIISVLDELPRELFPRLFVEAFTSRRCEVLKVMVQAWPFPCPLPLGSLM
 KTPDLEILHYVVDGIDCLLAQKVRPRRWKLQVLEMRDVENFWTIWSGARPLSCSPEAMSKRQTVEDCPR
 TGEKQPLKVFMDVCLKEKSVDEDLSTFGWVQHRRRSVHLCCTKVVNYSMNILNFRNILETVYPDSIQVL
 EIWNMCWPCMVAEVSRYLSQMKNLRKLFISDGCGLPSFESQQLVAEFSSVFLRLEYLQMLYMRRIRFF
 EGYLDQLIRCLKSPLETALTYGSLDEEDLKCLPWYPSLSQLKQLNLHGTLRFIRLEPLRALLEKVAAT
 LQTLFLVDCGIGDSKLRVILPALSRCSNLTTFCFHGNDTSMDGLKDLLRHTGRLSNLSLETYPAPRESLD
 NRGRVISELLTPLQAELMRILREVREPNRIFFGPVSCPCCGMSPTQLFNFCLGRPA

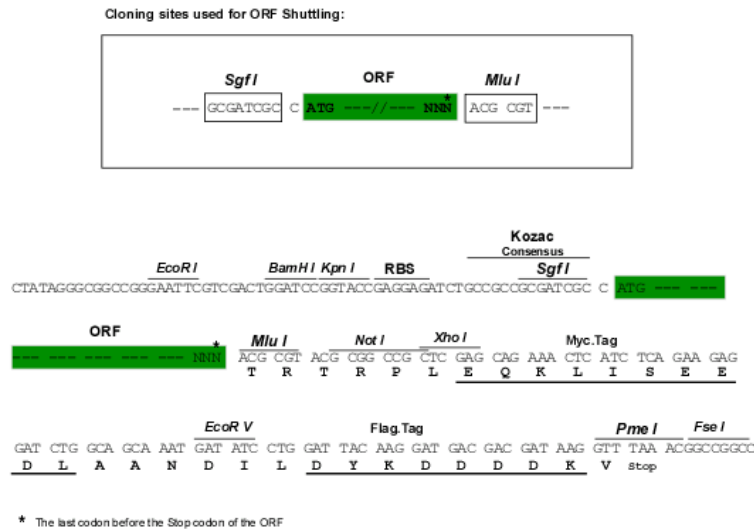
TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk8021_d09.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001099850

ORF Size: 1437 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_001099850.1](#), [NP_001093320.1](#)

RefSeq Size: 2123 bp

RefSeq ORF: 1440 bp

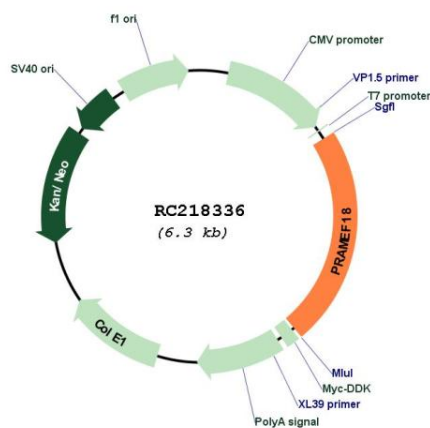
Locus ID: 391003

UniProt ID: Q5VWM3

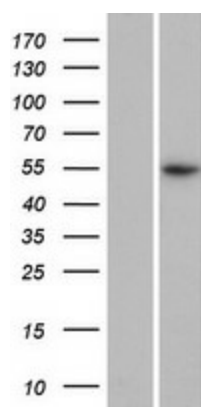
Cytogenetics: 1p36.21

MW: 55.1 kDa

Product images:



Circular map for RC218336



Western blot validation of overexpression lysate (Cat# [LY420541]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218336 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).