

Product datasheet for **RG218336**

PRAMEF18 (NM_001099850) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAMEF18 (NM_001099850) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRAMEF18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG218336 representing NM_001099850
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTTCCAGGCCACGCAGACTCCTGGAGCTGGCAGGGCAGAGCCTGCTGAGGGACCAGGCCTTGG
 CCATCTCCGTCTGGATGAGCTGCCAGGGAGCTTCCCCGACTGTTCTGGAGGCCTTCACTAGCAG
 ACGCTGCGAGGTTCTGAAGGTGATGGTGAGGCCTGGCCCTCCCTGCCTCCCTCTGGGGTCCCTGATG
 AAGACGCCTGATCTGGAGATCTTACATTATGTAGTGGATGGGATTGATTGCCTGCTTGCCAAAAGGTTT
 GCGCCAGGAGGTGAAACTTCAAGTCTGGAAATGCGGGATGTTGATGAGAATTTTGGACCATATGGTC
 TGGAGCCAGGCCCTGTCTGCTCCCAAGGCCATGAGTAAGAGACAGACAGTGGAGGACTGTCCAAGG
 ACAGGAGAGAAGCAGCCCTGAAGGTGTTGATGGATGTTTGCCTCAAGGAAAAATCCGTGGATGAAGATC
 TGAGCTTCTTCTCTGGTGGGTGCAGCACAGAAGACGTTCACTACCTGTGCTGTACTAAGGTGGTAAA
 TTATTCATGAACATTCTAAATTCAGAAACATATTAGAAACAGTATACCCAGACAGTATCCAAGTATTG
 GAAATTTGGAACATGTGCTGGCCGTGTATGGTAGCAGAGGTTAGCCGTTACCTGAGCCAGATGAAGAATC
 TTCGAAAACCTCTTCATCTCCGATGGCTGTGGTTACCTGCCAAGCTTTGAGAGCCAAGGACAGTTAGTTGC
 TGAATTCAGCTCTGTGTTCTCAGGCTGGAGTACCTCCAGATGCTTTATATGAGAAGGATCCGCTTCTTC
 GAAGGCTACCTGGACAGCTGATCAGGTGCCTCAAGAGCCCGTTGGAGACATTGGCATTAACTTATGGCT
 CCCTAGATGAAGAGGACTTGAATGTCTGCCCTGGTACCAAGTCTCAGTCAACTGAAGCAGCTGAATCT
 GAGTCATGGTACACTGCGCTTCATCCGCTTGAGCCCTCCGAGCTCTGCTAGAGAAAGTTGCTGCCACT
 CTTAGACCCCTCTTCTAGTGGACTGTGGGATTGGGACTCCAACTCAGGGTCATCCTGCCTGCCCTGA
 GCCGCTGCTCAACCTCACCCTTTCTGCTTTACGGCAATGACACGTCATGGATGGTCTGAAGGACCT
 GCTGCGCCACACAGGCAGGCTGAGCAATTTGAGCCTGGAAACATATCCTGCCCTCGGGAGAGTCTTGAC
 AACAGGGGTCTGTGTCATTCGGAGCTCCTACCCCACTTCAGGCTGAGCTGATGCGTATACTGAGGGAAG
 TAAGGGAGCCCAACAGGATCTTCTTTGGTCCGCTCTCTGCCCTGCTGTGGCATGTACCCACTGAGCA
 ACTGGAGTTCAATTTTCTGCTGCGGGGAAGGCTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

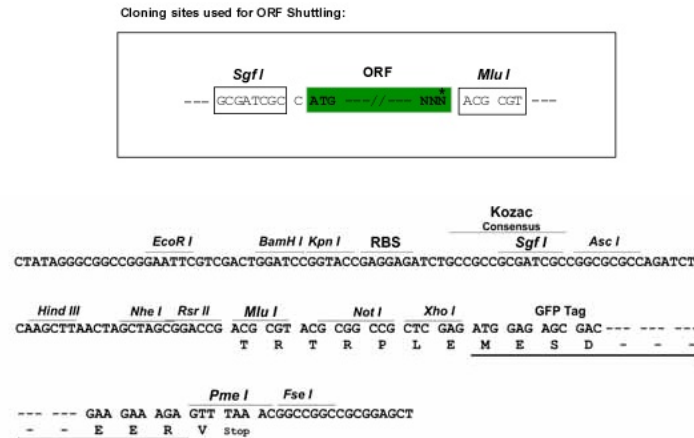
>RG218336 representing NM_001099850
 Red=Cloning site Green=Tags(s)

MSFQAPRRLELAGQSLRDQALAI SVLDELPRELFPRLFVEAFTSRRCV LKVMVQAWPFCLPLGSLM
 KTPDLEILHYVVDGIDCLLAQKVRPRRWKLQVLEMRDVENFWTIWSGARPLSCSPEAMSKRQTVEDCPR
 TGEKQPLKVFMDVCLKEKSVDEDL SFFSGWVQHRRRSVHLCTKVVNYSMNILNFRNILETVYPDSIQVL
 EIWNMCWPCMVAEVSRYLSQMKNLRKLFISDGCYLP SFESQQLVAEFSSVFLRLEYLQMLYMRRIRFF
 EGYLDQLIRCLKSPLETLALTYGSLDEEDLKCLPWYPSLSQLKQLNL SHGTLRFIRLEPLRALLEKVAAT
 LQTLFLVDCGIGDSKLRVILPALSRCSNLTTFCFHGNDTSMDGLKDLLRHTGRLSNLSLETYPAPRESLD
 NRGRISELLTPLQAELMRILREVREPNRIFFGPVSCPCCGMSPTQLFNFCLGRPA

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-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.

RefSeq: [NM_001099850.1](#), [NP_001093320.1](#)

RefSeq Size: 2123 bp

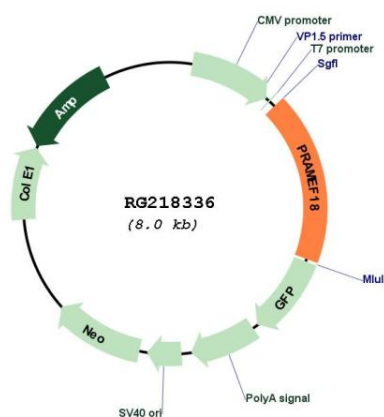
RefSeq ORF: 1440 bp

Locus ID: 391003

UniProt ID: [Q5VWM3](#)

Cytogenetics: 1p36.21

Product images:



Circular map for RG218336