

Product datasheet for **RG216337**

PRAMEF1 (NM_023013) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRAMEF1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216337 representing NM_023013
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGAGCATCCAGGCCCCACCCAGACTACTGGAGCTGGCAGGGCAGAGCCTGCTGAGAGACCAGGCCTTGT
CCATCTCTGCCATGGAGGAGCTGCCAGGGTGTCTATCTCCCACTTTCATGGAGGCCTTCAGCAGGAG
ACACTTCCAGACTCTGACGGTGATGGTTCAGGCCTGGCCCTTCACCTGCCTCCCTCTGGGATCACTGATG
AAGACGCTTCATTTGGAGACCTTAAAGCATTGCTGGAAGGGCTTCATATGCTGCTTACACAGAAGGATC
GCCCCAGGAGGTGGAACTTCAAGTCTGGATTGCGGGATGTTGACGAGAATTTCTGGGCCAGATGGCC
TGGAGCCTGGGCCCTGTCTGCTTCCAGAGACCACGAGTAAGAGGCAGACAGCAGAGGACTGTCCAAGG
ATGGGAGAGCACCAGCCCTTAAAGGTGTTATAGACATCTGCCTCAAGGAAATACCCAGGATGAATGCC
TGAGATACCTCTTCCAGTGGGTTTACCAAAGGAGAGGTTTAGTACACCTGTGCTGTAGTAAGCTGGTCAA
TTATCTAACGCCGATTAAATATCTCAGAAAGTCATTGAAAATAATATACCTGAATAGTATTCAAGAGCTG
GAAATTCGCAACATGTCTGGCCACGTCTGATAAGAAAGCTTCGTTGTTACCTGAAGGAGATGAAGAATC
TTCGCAAACTCGTTTTCTCCAGGTGCCATCATTACACGTCAAGTAATGAATCCAAGGACGGTTAGTTGC
CAAATTCAGCTCTGTGTTCTCAGGCTGGAACACCTTCAGTTGCTTAAATAAAATTGATCACCTTCTTC
AGTGGGCACCTGGAACAGCTGATCAGGTGCCTCCAGAACCCCTTGAGAACTTGAATTAACCTATGGCT
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CAGTACGTGCTGTGTTCCGCATCAGTCTTGAACCCCTCGGAGCTCTGCTGGAGAAAATTGCTGCCTCT
CTCAAAACCCCTCATCTTGGAGGGCTGTGAGATCCACTACTCCAACTCAGTGCCATCCTGCCTGCCTGA
GCCGGTGTCTCCAGCTCACCACCTTCTACTTTGGCAGAAATGCATGTCTATTGACGCCCTGAAGGACCT
GCTGCGCCACACAGTGGGCTGAGCAAGTTAAGCCTGGAGAGCTATCCTGCCCTGAGGAGAGTTTGAAT
TCCTTGGTTGCTGTCAATTGGGAGATCTTCAACCCACTTCGGGCTGAGCTGATGTGTACACTGAGGGAAG
TCAGGCAGCCCAAGAGGATCTTCATTGGCCCCACCCCTGCCCTTCTGTGGCTCATCACCGTCTGAGGA
ACTGGAGCTCCATCTTTGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG216337 representing NM_023013

Red=Cloning site Green=Tags(s)

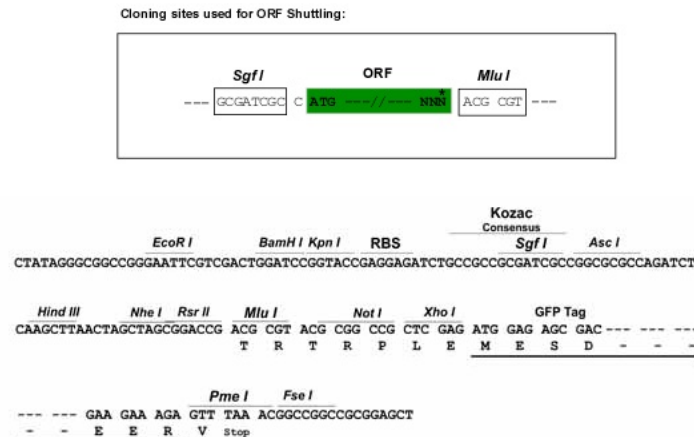
MSIQAPPRLELAGQSLRDQALSISAMEELPRVLYLPLFMEAFSRRHFQTLTMVQAWPFTCLPLGSLM
KTLHLETLKALLEGLHMLLTQKDRPRRWKLQVLDLRVDENFWARWPGAWALSCFPETTSKRQTAEDCPR
MGEHQPLKVFIDICLKEIPQDECLRYLFQWVYQRRGLVHLCCSKLVNLTPIKYLKSLKIIYLNLSIQEL
EIRNMSWPRLIRKLRCLYKEMKNLRKLVFSRCHHYTSDNELQGRLVAKFSSVFLRLEHLQLLKIKLITFF
SGHLEQLIRCLQNPLENLELTGYLLEEDMKCLSQYPSLGYLKHLNLSYVLLFRISLEPLGALLEKIAAS
LKTLILEGCIHYSQLSAILPALSRCSQLTTFYFGRNCMSIDALKDLLRHTSGLSKLSLETYPAPESLN
SLVRVNWEIFTPLRAELMCTLREVROPKRIFIGPTPCPSCGSSPSEELHLCC

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_023013

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_023013.2](#)

RefSeq Size: 1606 bp

RefSeq ORF: 1425 bp

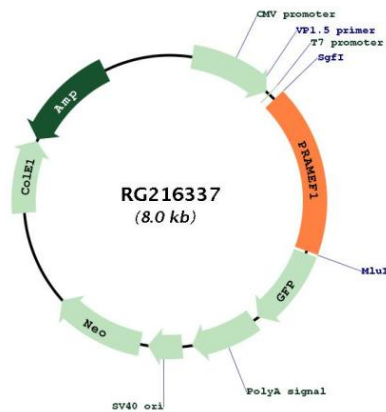
Locus ID: 65121

UniProt ID: [O95521](#)

Cytogenetics: 1p36.21

Gene Summary: This gene is a member of the PRAME (preferentially expressed antigen of melanoma) gene family which is expressed in many cancers but may function in reproductive tissues during development. Alternative promoter usage generates two transcript variants, which encode different isoforms. [provided by RefSeq, Jun 2014]

Product images:



Circular map for RG216337