

Product datasheet for **RG238547**

PRAME (NM_001291717) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAME (NM_001291717) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRAME
Synonyms:	CT130; MAPE; OIP-4; OIP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238547 representing NM_001291717.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGTGTGTGGACAAGCCACGGAGACTTGTGGAGCTGGCAGGGCAGAGCCTGCTGAAGGATGAGGCC
TTGGCCATTGCCGCCCTGGAGTTGCTGCCAGGGAGCTTCCCAGCCACTTTCATGGCAGCCTTTGAC
GGGAGACACAGCCAGACCCTGAAGGCAATGGTGCAGGCCTGGCCCTTACCTGCCTCCCTCTGGGAGTG
CTGATGAAGGGACAACATCTTACCTGGAGACCTTCAAAGCTGTGCTTGATGGACTTGATGTGCTCCTT
GCCCAGGAGGTTCCGCCAGGAGGTGAAACTCAAGTGTGATTTACGGAAGAACTCTCATCAGGAC
TTCTGGACTGTATGGTCTGGAACAGGGCCAGTCTGTACTCATTCCAGAGCCAGAAGCAGCTCAGCCC
ATGACAAAGAAGCGAAAAGTAGATGGTTTGAGCACAGAGGCAGAGCAGCCCTTATTCCAGTAGAGGTG
CTCGTAGACCTGTTCTCAAGGAAGGTGCCTGTGATGAATTGTTCTCTACCTCATTGAGAAAGTGAAG
CGAAAGAAAAATGACTACGCCCTGTGCTGAAGAAGCTGAAGATTTTGAATGCCCATGCAGGATATC
AAGATGATCCTGAAAATGGTGCAGCTGGACTCTATTGAAGATTTGGAAGTGAATTGTACCTGGAAGCTA
CCACCTTGGCGAAAATTTCTCCTTACCTGGGCCAGATGATTAATCTGCGTAGACTCCTCCTCTCCAC
ATCCATGCATCTTCTACATTTCCCGGAGAAGGAAGAGCAGTATATCGCCAGTTCACCTCTCAGTTC
CTCAGTCTGCAGTGCCTGCAGGCTCTCTATGTGGACTCTTATTTTCTTAGAGGCCGCCTGGATCAG
TTGCTCAGGCACGTGATGAACCCCTTGGAAACCCTCTCAATAACTAAGTCCCGGCTTTCGGAAGGGGAT
GTGATGCATCTGTCCAGAGTCCAGCGTCAGTCAGCTAAGTGTCTGAGTCTAAGTGGGGTTCATGCTG
ACCGATGTAAGTCCCGAGCCCTCCAAGCTCTGCTGGAGAGGCCTTCCACCCTCCAGGACCTGGTC
TTTGATGAGTGTGGGATCAGGATGATCAGCTCCTTGCCTCCTGCCTCCCTGAGCCACTGCTCCAG
CTTACGACCTTAAGCTTCTACGGGAATTCATCTCCATATCTGCCCTGCAGAGTCTCCTGCAGCAGCTC
ATCGGGCTGAGCAATCTGACCCAGGTGCTGTATCCTGTCCCTGGAGAGTTATGAGGACATCCATGGT
ACCCTCCACCTGGAGAGGCTTGCCTATCTGCATGCCAGGCTCAGGGAGTTGCTGTGTGAGTTGGGCGG
CCCAGCATGGTCTGGCTTAGTGCCAACCCTGTCTCACTGTGGGGACAGAACCTTCTATGACCCGGAG
CCCATCCTGTGCCCTGTTTCATGCCTAAT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238547
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSVWTSRRLVELAGQSLLKDEALIAALELLPRELFPPLFMAAFDGRHSQTLKAMVQAWPFTCLPLGV
LMKGQHLHLETFKAVLDGLDVLQAQEVRRRWKLQVLDLRKNSHQDFWTWVSGNRASLYSFPEPEAAQP
MTKKRKVDGLSTAEQPFIPVEVLVDLFLKEGACDELFSYLIEKVKRKNVLRCLCKKLIKIFAMPMQDI
KMILKMQQLDSIEDLEVTCTWKLPTLAKFSPYLGQMINLRRLLSHIHASSYISPEKEEQYIAQFTSQF
LSLQCLQALYVDSLFFLRGRLDQLLRHVMNPLETLSITNCRLESGDMHLSQSPSVSQLSVLSLQSLQHL
IGLSNLTHVLYPVPLESYEDIHGLHLERLAYLHARLRELLCELGRPSMVWLSANPCPHCGDRFTYDPE
PILCPCFMPN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001291717

ORF Size: 1479 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).

RefSeq: [NM_001291717.2](#)

RefSeq Size: 2316 bp

RefSeq ORF: 1482 bp

Locus ID: 23532

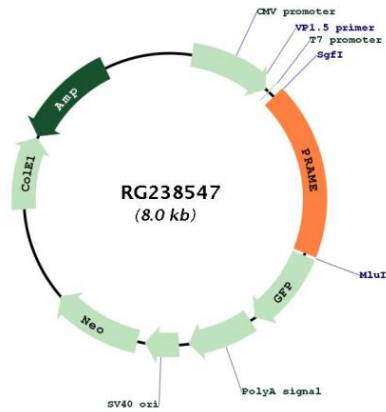
UniProt ID: [P78395](#)

Cytogenetics: 22q11.22

MW: 56.3 kDa

Gene Summary: This gene encodes an antigen that is preferentially expressed in human melanomas and that is recognized by cytolytic T lymphocytes. It is not expressed in normal tissues, except testis. The encoded protein acts as a repressor of retinoic acid receptor, and likely confers a growth advantage to cancer cells via this function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Product images:



Circular map for RG238547