

## Product datasheet for **RC238633**

### PRAME (NM\_001291716) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRAME (NM_001291716) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRAME
Synonyms:	CT130; MAPE; OIP-4; OIP4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238633 representing NM\_001291716  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAACGAAGGCGTTTGTGGGTTCCATTAGAGCCGATACATCAGCATGAGTGTGTGGACAAGCCAC  
 GGAGACTTGTGGAGCTGGCAGGGCAGAGCCTGCTGAAGGATGAGGCCCTGGCCATTGCCGCCCTGGAGTT  
 GCTGCCAGGGAGCTCTCCCGCCACTTTCATGGCAGCCTTTGACGGGAGACACAGCCAGACCCTGAAG  
 GCAATGGTGCAGGCTGGCCCTCACCTGCCTCCCTCTGGGAGTCTGATGAAGGGACAACATCTTCACC  
 TGGAGACCTTCAAAGCTGTGCTTGTGACTTGTGTCTCTTGGCCAGGAGGTTGCCCCAGGAGGTG  
 GAACTTCAAGTCTGGATTTACGGAAGAACTCTCATCAGGACTTCTGGACTGTATGGTCTGAAACAGG  
 GCCAGTCTGTACTATTTCCAGAGCCAGAAGCAGCTCAGCCCATGACAAAGAAGCGAAAAGTAGATGGTT  
 TGAGCACAGAGGCAGAGCAGCCCTTTCATCCAGTAGAGGTGCTCGTAGACCTGTTCTCAAGGAAGTGC  
 CTGTGATGAATTGTTCTCTACCTCATTGAGAAAGTGAAGCGAAAGAAAATGTACTACGCCTGTGCTGT  
 AAGAAGCTGAAGATTTTTCGAATGCCCATGCAGGATATCAAGATGATCCTGAAAAATGGTGCAGCTGGACT  
 CTATTGAAGATTTGGAAGTGACTTGTACCTGGAAGCTACCCACCTTGGCGAAATTTCTCCTTACCTGGG  
 CCAGATGATTAATCTGCGTAGACTCCTCCTCTCCACATCCATGCATCTTCTACATTTCCCGGAGAAG  
 GAAGAGCAGTATATCGCCAGTTCACCTCTCAGTTCCTCAGTCTGCAGTGCCTGCAGGCTCTATGTGG  
 ACTCTTTATTTTCTTAGAGGCCCGCTGGATCAGTTGCTCAGGCACGTGATGAACCCCTTGAAACCCCT  
 CTCAATAACTAAGTCCCGCTTCGGAAGGGATGTGATGCATCTGTCCAGAGTCCCAGCGTCACTCAG  
 CTAAGTGTCTGAGTCTAAGTGGGTCTGCTGACCGATGTAAGTCCCGAGCCCTCAAAGCTCTGCTGG  
 AGAGACCTCTGCCACCCTCCAGGACCTGGTCTTTGATGAGTGTGGGATCACGGATGATCAGCTCCTTGC  
 CCTCCTGCCTTCCCTGAGCCACTGCTCCAGCTTACGACCTTAAGCTTCTACGGGAATTCATCTCCATA  
 TCTGCCCTGCAGAGTCTCTGCAGCACCTCATCGGGCTGAGCAATCTGACCCACGTGCTGTATCCTGTCC  
 CCCTGGAGAGTTATGAGGACATCCATGGTACCCTCCACCTGGAGAGGCTTGCCTATCTGCATGCCAGGCT  
 CAGGGAGTTGCTGTGAGTTGGGGCGGCCAGCATGGTCTGGCTTAGTGCCAACCCCTGTCTCACTGT  
 GGGGACAGAACCTTCTATGACCCGGAGCCATCCTGTGCCCTGTTTCATGCCTAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238633 representing NM\_001291716  
 Red=Cloning site Green=Tags(s)

MERRRLWGSIQSRYISMSVWTSPPRRLVELAGQSLLKDEALIAALELLPRELFPPLFMAAFDGRHSQTLK  
 AMVQAWPFTCLPLGVLMKGQHLHLETFKAVLDGLDVLQAQEVPRRWKLVLDLRKNSHQDFWTVWVSGNR  
 ASLYSFPPEAAQPMTKRKVDGLSTEAQPFIPVEVLVDLFLKEGACDELFSYLIEKVKRKNVLRCC  
 KKLKIFAMPMDIKMILKMQVLDSDIEDLEVTCTWKLPTLAKFSPYLGQMINLRRLLLSHIHASSYISPEK  
 EEQYIAQFTSQFLSLQCLQALYVDSLFFLRGRLDQLLRHVMNPLETLSITNCRLESGDVMHLSQSPVSQ  
 LSVLSLQVMTDVSPEPLQALLERASATLQDLVFDECGITDDQLLALLPSLSHCSQLTTLQSFYGNISISI  
 SALQSLQHLIGLSNLTHVLYPVPLESYEDIHGTLHLERLAYLHARRELLCELGRPSMWL SANPCPHC  
 GDRTFYDPEPILCPCFMPN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

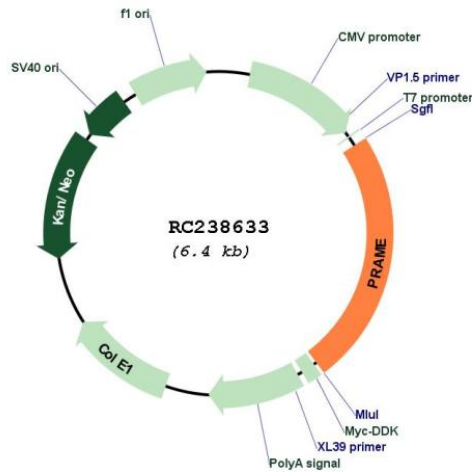
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_001291716

ORF Size: 1527 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\\_001291716.2](#)

**RefSeq Size:** 2197 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 23532

**UniProt ID:** [P78395](#)

**Cytogenetics:** 22q11.22

**MW:** 58.3 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]