

## Product datasheet for **SC308344**

### PRAME (NM\_206954) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRAME (NM_206954) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAME
Synonyms:	CT130; MAPE; OIP-4; OIP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC308344 representing NM\_206954.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAACGAAGGCGTTTGTGGGTTCCATTAGAGCCGATACATCAGCATGAGTGTGGACAAGCCCA
CGGAGACTTGTGGAGCTGGCAGGGCAGAGCTGCTGAAGGATGAGGCCCTGGCCATTGCCGCCCTGGAG
TTGCTGCCCAGGAGCTCTCCCGCACTTTCATGGCAGCCTTTGACGGGAGACACAGCCAGACCCTG
AAGGCAATGGTGCAGGCTGGCCCTTCACTGCCTCCCTCTGGGAGTGTGATGAAGGGACAACATCTT
CACCTGGAGACCTTCAAAGCTGTGCTTGTGACTTGTGTGCTCCTTGCCAGGAGGTTGCCCCAGG
AGGTGGAAACTTCAAGTGTGATTTACGGAAGAACTCTCATCAGGACTTCTGGACTGTATGGTCTGGA
AACAGGGCCAGTCTGACTATTCCAGAGCCAGAAGCAGCTCAGCCATGACAAAGAAGCGAAAAGTA
GATGGTTTGGACACAGAGGCAGAGCAGCCCTTTCATCCAGTAGAGGTGCTCGTAGACCTGTTCTCAAG
GAAGGTGCCTGTGATGAATTGTTCTCTACCTCATTGAGAAAGTGAAGCGAAAGAAAAATGACTACGC
CTGTGCTGTAAGAAGCTGAAGATTTTGAATGCCATGCAGGATATCAAGATGATCCTGAAAATGGTG
CAGCTGGACTCTATTGAAGATTTGGAAGTACTTGTACCTGGAAGCTACCCACCTTGGCGAAATTTCT
CCTTACCTGGGCCAGATGATTAATCTGCGTAGACTCCTCCTCTCCACATCCATGCATCTTCTACATT
TCCCCGGAGAAGGAAGAGCAGTATATCGCCAGTTCACCTCTCAGTTCCTCAGTCTGCAGTGCCTGCAG
GCTCTCTATGTGGACTCTTATTTTCTTAGAGGCCGCTGGATCAGTTGCTCAGGCACGTGATGAAC
CCCTTGGAAACCTCTCAATAACTAAGTCCCGCTTTCGGAAGGGGATGTGATGCATCTGTCCAGAGT
CCCAGCGTCAGTCAGTAAGTGTCTGAGTCTAAGTGGGTGATGCTGACCGATGTAAGTCCCAGGCC
CTCCAAGCTCTGCTGGAGAGCCTCTGCCACCCTCCAGGACCTGGTCTTTGATGAGTGTGGATCAGC
GATGATCAGTCTTGCCTCCTGCCTTCCCTGAGCCACTGCTCCAGCTTACGACCTTAAGCTTAC
GGGAATTCATCTCCATATCTGCCCTGCAGAGTCTCCTGCAGCACCTCATCGGGCTGAGCAATCTGACC
CACGTGCTGTATCCTGTCCCCCTGGAGAGTTATGAGGACATCCATGGTACCCTCCACCTGGAGAGCCTT
GCCTATCTGCATGCCAGGCTCAGGGAGTTGCTGTGTGAGTTGGGGCGGCCAGCATGGTCTGGCTTAGT
GCCAACCCCTGTCTCACTGTGGGGACAGAACCCTTCTATGACCCGGAGCCCATCTGTGCCCTGTTC
ATGCCTAATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_206954

**Insert Size:** 1530 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_206954.2](#)

**RefSeq Size:** 2210 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 23532

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

**Cytogenetics:** 22q11.22

**MW:** 57.9 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]  
Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 2. Variants 1-7 encode the same isoform (a).