

## Product datasheet for **SC308343**

### PRAME (NM\_206953) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRAME (NM_206953) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAME
Synonyms:	CT130; MAPE; OIP-4; OIP4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_206953, the custom clone sequence may differ by one or more nucleotides

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ATGGAACGAAGGCGTTTGTGGGTTCCATTGAGAGCCGATACATCAGCATGAGTGTGGACAAGCCCAC
GGAGACTTGTGGAGCTGGCAGGGCAGAGCCTGCTGAAGGATGAGGCCCTGGCCATTGCCGCCCTGGAGTT
GCTGCCAGGGAGCTCTCCCGCCACTTTCATGGCAGCCTTTGACGGGAGACACAGCCAGACCCTGAAG
GCAATGGTGCAGGCTGGCCCTCACCTGCCTCCCTCTGGGAGTGTGATGAAGGGACAACATCTTCACC
TGGAGACCTTCAAAGCTGTGCTTGTGACTTGTGTGCTCCTTGCCAGGAGGTTGCCCCAGGAGGTG
GAAACTCAAAGTGTGATTTACGGAAGAACTCTCATCAGGACTTCTGGACTGTATGGTCTGAAACAGG
GCCAGTCTGTACTCATTCCAGAGCCAGAAGCAGCTCAGCCCATGACAAAGAAGCGAAAAGTAGATGGTT
TGAGCACAGAGGCAGAGCAGCCCTTCAATCCAGTAGAGGTGCTCGTAGACCTGTTCTCAAGGAAGGTG
CTGTGATGAATTGTTCTCCTACCTCATTGAGAAAGTGAAGCGAAAGAAAATGACTACGCTGTGCTGT
AAGAAGCTGAAGATTTTTGCAATGCCCATGCAGGATATCAAGATGATCCTGAAAATGGTGCAGCTGGACT
CTATTGAAGATTTGGAAGTGACTTGTACCTGGAAGCTACCCACCTTGGCGAAAATTTCTCCTTACCTGGG
CCAGATGATTAATCTGCGTAGACTCCTCCTCTCCACATCCATGCATCTTCTACATTTCCCGGAGAAG
GAAGAGCAGTATATCGCCAGTTCACCTCTCAGTTCCTCAGTCTGCAGTGCCTGCAGGCTCTCTATGTGG
ACTCTTTATTTTCTTAGAGGCCGCTGGATCAGTTGCTCAGGCACGTGATGAACCCCTTGAAACCCCT
CTCAATAACTAACTGCCGCTTTTCGGAAGGGGATGTGATGCATCTGTCCAGAGTCCCAGGCTCAGTCAG
CTAAGTGTCTGAGTCTAAGTGGGTGATGCTGACCGATGTAAGTCCCGAGCCCTCCAAGCTCTGCTGG
AGAGAGCCTCTGCCACCCTCCAGGACCTGGTCTTTGATGAGTGTGGGATCACGGATGATCAGCTCCTTGC
CCTCCTGCCTTCCCTGAGCCACTGCTCCAGCTTACAACCTTAAGCTTCTACGGGAATTCATCTCCATA
TCTGCCTTGACAGTCTCCTGCAGCACCTCATCGGGCTGAGCAATCTGACCCACGTGCTGTATCCTGTCC
CCCTGGAGAGTTATGAGGACATCCATGGTACCCTCCACCTGGAGAGGCTTGCTATCTGCATGCCAGGCT
CAGGGAGTTGCTGTGTGAGTTGGGGCGGCCAGCATGGTCTGGCTTAGTGCAACCCCTGCTCCTACTGT
GGGACAGAACCCTCTATGACCCGGAGCCCATCTGTGCCCTGTTTCATGCCTAACTAG
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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_206953
<b>Insert Size:</b>	2900 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_206953.1</a> , <a href="#">NP_996836.1</a>
<b>RefSeq Size:</b>	2776 bp
<b>RefSeq ORF:</b>	1530 bp
<b>Locus ID:</b>	23532
<b>UniProt ID:</b>	<a href="#">P78395</a>
<b>Cytogenetics:</b>	22q11.22

**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 (2) represents the longest transcript and encodes the longer isoform (a). Variants 1-7 encode the same isoform.