

Product datasheet for **SC122737**

PRAME (NM_006115) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAME (NM_006115) 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)



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Fully Sequenced ORF:

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>OriGene sequence for NM_006115 edited
GGGAAACCGACTCCTGGGAGCAGGGAGGAACGCGCGCTCCAGAGACAACCTTCGCGGTGTG
GTGAACTCTCTGAGGAAAAACACGTGCGTGGCAACAAGTGACTGAGACCTAGAAATCCAA
GCGTTGGAGGTCTTGAGGCCAGCCTAAGTCGCTTCAAAATGGAACGAAGGCGTTTGTGGG
GTTCCATTGAGAGCCGATACATCAGCATGAGTGTGTGGACAAGCCACGGAGACTTGTGG
AGCTGGCAGGGCAGAGCCTGCTGAAGGATGAGGCCCTGGCCATTGCCGCCCTGGAGTTGC
TGCCCAAGGAGCTCTTCCCGCACTCTTCATGGCAGCCTTTGACGGGAGACACAGCCAGA
CCCTGAAGGCAATGGTGCAGGCCTGGCCCTTACCTGCCTCCCTCTGGGAGTGCTGATGA
AGGGACAACATCTTACCTGGAGACCTTCAAAGCTGTGCTTGATGGACTTGATGTGCTCC
TTGCCCAGGAGGTTGCGCCCAGGAGGTGAAAACCTCAAGTGTGGATTTACGGAAGAACT
CTCATCAGGACTTCTGGACTGTATGGTCTGAAACAGGGCCAGTCTGTACTATTTCAG
AGCCAGAAGCAGCTCAGCCCATGACAAAGAAGCGAAAAGTAGATGGTTTGAGCACAGAGG
CAGAGCAGCCCTTCAATCCAGTAGAGGTGCTCGTAGACCTGTTCCCAAGGAAGTGCT
GTGATGAATTGTTCTCCTACCTCATTGAGAAAAGTGAAGCGAAAAGAAAAATGACTACGCC
TGTGCTGAAGAAGCTGAAGATTTTGAATGCCCATGCAGGATATCAAGATGATCCTGA
AAATGGTGCAGCTGGACTCTATTGAAGATTTGGAAGTGACTTGTACCTGGAAGCTACCCA
CCTTGGCGAAATTTCTCCTTACCTGGGCCAGATGATTAACTGCGTAGACTCCTCCTCT
CCCACATCCATGCATCTTCTACATTTCCCGGAGAAGGAAGAGCAGTATATCGCCCAGT
TCACCTCTCAGTTCCTCAGTCTGCAGTGCCTGCAGGCTCTCTATGTGGACTCTTTATTTT
TCCTTAGAGGCCGCTGGATCAGTTGCTCAGGCACGTGATGAACCCCTTGGAACCCCTCT
CAATAACTAACTGCCGGCTTTCGGAAGGGGATGTGATGCATCTGTCCAGAGTCCCAGCG
TCAGTCAGCTAAGTGTCTGAGTCTAAGTGGGGTATGCTGACCGATGTAAGTCCCGAGC
CCCTCCAAGCTCTGCTGGAGAGAGCCTCTGCCACCCTCCAGGACCTGGTCTTTGATGAGT
GTGGGATCACGGATGATCAGCTCCTTGCCCTCCTGCCTTCCCTGAGCCACTGCTCCCAGC
TTACAACCTTAAGCTTCTACGGGAATTCATCTCCATATCTGCCTTGCAGAGTCTCCTGC
AGCACCTCATCGGGCTGAGCAATCTGACCCACGTGCTGTATCCTGTCCCCTGGAGAGTT
ATGAGGACATCCATGGTACCCTCCACCTGGAGAGGCTTGCCATCTGCATGCCAGGCTCA
GGGAGTTGCTGTGTGAGTTGGGGCGGCCAGCATGGTCTGGCTTAGTGCCAACCCCTGTC
CTCACTGTGGGGACAGAACCTTCTATGACCCGGAGCCATCCTGTGCCCTGTTTCATGC
CTAACTAGCTGGGTGCACATATCAAATGCTTCATTCTGCATACTGGACACTAAAGCCAG
GATGTGCATGCATCTTGAAGCAACAAGCAGCCACAGTTTCAGACAAATGTTTCAGTGTGA
GTGAGGAAAAACATGTTTCAGTGTGAGGAAAAACATTCAGACAAATGTTTCAGTGTGAGGAAAA
AGGGGAAGTTGGGGATAGGCAGATGTTGACTTGAGGAGTTAATGTGATCTTTGGGGAGAT
ACATCTTAGAGTTAGAAATAGAATCTGAATTTCTAAAGGGAGATTCTGGCTTGGGAAG
TACATGTAGGAGTTAATCCCTGTGTAGACTGTTGTAAGAAACTGTTGAAAATAAAGAGA
AGCAATGTGAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006115 unedited NGTTTGGGAATTTGTAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGGGG AAACCGACTCCTGGGAGCAGGGAGGAACGCGCGCTCCAGAGACAACCTTCGCGGTGTGGT AACTCTCTGAGGAAAAACACGTGCGTGGCAACAAGTGACTGAGACCTAGAAATCCAAGCG TTGGAGGTCTGAGGCCAGCCTAAGTCGCTTCAAATGGAACGAAGGCGTTTGTGGGGTT CCATTTCAGAGCCGATACATCAGCATGAGTGTGTGGACAAGCCCACGGAGACTTGTGGAGC TGGCAGGGCAGAGCCTGCTGAAGGATGAGGCCCTGGCCATTGCCGCCCTGGAGTTGCTGC CCAGGGAGCTCTCCCGCACTTTCATGGCAGCCTTTGACGGGAGACACAGCCAGACCC TGAAGGCAATGGTGCAGGCCTGGCCCTTCACTGCCTCCCTCTGGGAGTCTGATGAAGG GACAACATCTTCACTGGAGACCTTCAAAGCTGTGCTTGTGACTTGTGATGTGCTCCTTG CCCAGGAGGTTCCGCCAGGAGGTGAAACTTCAAGTGTGGATTTACGGAAGAACTCTC ATCAGGACTTCTGGACTGTATGGTCTGGAACAGGGCCAGTCTGTACTATTTCCAGAGC CAGAAGCAGCTCAGCCCATGACAAAGAAGCGAANAGTAGATGGTTTGGACACAGAGGCAG AGCAGCCCTTCATTCCAGTAGAGGTGCTCGTAGACCTGTTCTCAAGAAGGTGCCTGTGA TGAATTGTTCTCCTACCTCATTGAGAAAGTGAAGCGAAAGAAAAATGTACTACGCCTGTG CTGTAAGAAGCTGAAAGATTTTGCATGCCCATGCNAGATATCAGAGATCCTGAAATGGTG CAGCTGGACTCTATGGAGGATTNGGAGTGACTTGNACCTG
Restriction Sites:	Please inquire
ACCN:	NM_006115
Insert Size:	2076 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).
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:	<ol style="list-style-type: none"> 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_006115.3 , NP_006106.1
RefSeq Size:	2162 bp
RefSeq ORF:	1530 bp
Locus ID:	23532
UniProt ID:	P78395
Cytogenetics:	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 (1) differs in the 5' UTR, compared to variant 2. Variants 1-7 encode the same isoform (a).