

## Product datasheet for **SC106058**

### PRAM1 (NM\_032152) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRAM1 (NM_032152) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAM1
Synonyms:	PML-RAR; PRAM-1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032152, the custom clone sequence may differ by one or more nucleotides

```

ATGGCCATCACCTGCAGCCATGGAGGCCATCAGGACTCCGGAGCATCAAAGCAAAGTCCAGG
CCTCTCAGCCGGAGCCAGCGACTGCCAAAAAACCTCCGAAGCCTGAGTTTGGTAACTGAAGAAGT
CTCCCAGCCTGAGCTAAGCGAGCACCCCAAGAAGGCCCGCTGCCTGAGTTTGGTCAAGTGTCTTGAAG
CCCCCGCCGCTGAGGTCACTGACCTCCCAAGAAGCCCGCCGCTGAGGTCACTGACCTCCCAAGA
AGCCCCGCGCCTGAGGTCACTGACCTCCCAAGAAGCCCGCCGCTGAGGTCACTGACCTCCCAAA
GAAGCCGTCAAACCTGGAGTTGAGTGACCTCTCCAAGAAGTTCCACAGCTGGGGCCACTCCGTTTCCA
AGGAAGCCCTGCAGCCTGAGGTCGGTGAAGCCCTTGAAGCCCTCGCTGCCGGAGCCTGGTGCGCCGG
CCCGGAAACCCCTGCAGCCGACGAACCTCAGTACCCCGCCAGACCCCTCCGAACCCAAATCCGGCGC
ATTCCCAGGAAGCTCTGGCAACCCGAGGCCGGTGAAGTACCCCGAGGTCCCGCAGCCTGAGTTGAGT
ACTTTTCCAAGAAGCCTGCGCAGCCTGAGTTCAACGTGTACCCAAAAAGCCTCCGCAGCCTCAGTCCG
GTGGCCTCCCTAAGAAGTCCGTGCGCAGCCTGAGTTCAAGCGAGCCGCTCAGACTCCCTCTGGAAGCC
TCAGTCCAGCGAGCCGAAGCGGACTCCAGCGCCTTTCCAAAAAGCCTCCAGCCTCCGCTGAGTGAC
TTTCCAAGAAGCCTCCGCAGCCTGAGTTGGGGACTCACAGGACTCCTCAGAGCCCGAAGTACGCG
TGCTTCCAAGAGGCCGCGGCCGGAATTCAAAGCGCTCTCCAAGAAGCCCGCAGCCCGAGCTGGG
CGGCTCCCGAGCCTCCTCAGAGCCGAGTTCAACTACTCCCGAGGAAGCTGCTGCAGCCGGAGCGC
CGGGGGCCACCCCGCAAGTTCTCACAGCCTGAGCCAGCGCTGTCTCAAGAGACACCCGAGCCTGAGT
TCTTCGGTGATCTCCCTCGAAAGCCTCCACTCCCAGCTCCGCTTCGAGAGTCACTGCCTGCGGCCGT
GGCCGGCTTTCAGTCCCAGCAGCCTCAGCCCTGGGTTTGGAGCGGCTGGGACACCCCGCTGGAGTCA
GGAGCCCTGGTTACAGTGGAGGGCCAGGCCAGGCCTCAGACCCAGCCATCCACCCCGCGGAGGCCCTC
TGCCCCCTGCCAGCAGCCTGGGACACCTCCAGCCAAGCCCGCTGCCCGGGGCCGCTGGATATGCA
GAGCTTTCGAGACCTCTGCAGCATCCATAGATCTACGGAGGCCGCTCGGCCGCTGGCTCCACTTC
CAGGACCGACAGCCTGAAGACATCCCGCAGGTCCAGATGAGATCTACGAGCTGTATGACGATGTGGAAC
CCAGAGATGACTCCAGCCCGAGCCCAAGGGCAGAGATGAAGCGCCCTCAGTTCAGCAAGCCGCCAGGAG
GCCACCACAAGACCCAGCGCTCAGGAAGGAGAAGGATCCCGAGCCACAGCAGTTGCCACCCATGGACCCA
AAGTTGCTGAAGCAGTGAAGGAGGAGGAGGAGTTCCGGAAGAAGTTCAAGTTTGAAG
GGGAGATCGTGGTTCACACGAAGATGATGATCGACCCCAAGCCTAAGACACGTCGCGGGGGTGGCAAGCA
CCTCGGATCCGCGCGGGGAGATCCTGGAGTGATCGAGTTACCAGCAATGAGGAGATGCTGTGCCGG
GACCCCAAGGCAAAATATGGCTACGTGCCAGAACAGCGCTCCTGCCCTGGAGACGGAGGTGTACGATG
ATGTGACTTCTGCGATCCCTGAAAAACCAACTCCCTCCCTGGGACGGTAA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032152 unedited

```

NNNTTGTGAGATTTTGTATACGACTCACTATAGGCGGCCGATTTCGGCACCAGGCTCGG
GTCCCACTCATCCCGTGGCCATCACCTGCCTGCAGCCATGGAGAGCCATCAGGACTTCC
GGAGCATCAAAGCAAAGTTCCAGGCCTCTCAGCCGGAGCCAGCGACTGCCAAAAAAC
CTCCGAAGCCTGAGTTTGGTAAACTGAAGAAGTCTCCAGCCTGAGCTAAGCGAGCACC
CCAAGAAGGCCCGCTGCCTGAGTTTGGTGCAGTGTCTTGAAGCCCGCCGCTGAGG
TCACTGACCTCCCAAGAAGCCCGCCGCTGAGGTCACTGACCTCCCAAGAAGCCCG
CGCCGCTGAGGTCACTGACCTCCCAAGAAGCCCGCCGCTGAGGTCACTGACCTCC
CCAAGAAGCCGTCAAACCTGGAGTTGAGTGACCTCTCCAAGAAGTTCCACAGCTGGGG
CCACTCCGTTTCCAAGGAAGCCCTGCAGCCTGAGGTCGGTGAAGCCCTTGAAGGCCT
CGCTGCCGGAGCCTGGTGCGCCGCCCGGAAACCCCTGCAGCCGACGAACCTCAGTCA
CCCGCCAGACCCCTCCGAACCCAAATCCGGCGCATTCCCAGGAAGCTCTGGCAACCC
GAGGCCGGTGAAGCTACCCGAGGTCCCGCAGCCTGAGTTGAGTACCTTTCCAAGAAG
CCTGCGCAGCCTGAGTTCAACGTGTACCCATAAAGCCTCCGCAGCCTCAGGNTCCGTGG
CCTACCTAAAAAGTNCGTGCCGAGCCTGAGTTCAAGCGAGGCCGCTCAGACTCCCTCTG
GAAAGCTCAGTCCAGCGAGCCCGAGCGGACTCCAGCGCCTTTCCAAAAAGGACTCCAG
NCTNCGCTGANTGAC
    
```

**Restriction Sites:** NotI-NotI

**ACCN:** NM\_032152

**Insert Size:** 2320 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_032152.3](#), [NP\\_115528.3](#)

**RefSeq Size:** 2189 bp

**RefSeq ORF:** 2010 bp

**Locus ID:** 84106

**UniProt ID:** [Q96QH2](#)

**Cytogenetics:** 19p13.2

**Protein Families:** Druggable Genome

**Gene Summary:** The protein encoded by this gene is similar to FYN binding protein (FYB/SLAP-130), an adaptor protein involved in T cell receptor mediated signaling. This gene is expressed and regulated during normal myelopoiesis. The expression of this gene is induced by retinoic acid and is inhibited by the expression of PML-RARalpha, a fusion protein of promyelocytic leukemia (PML) and the retinoic acid receptor-alpha (RARalpha). [provided by RefSeq, Jul 2008]