

Product datasheet for **RG206972**

PRAM1 (NM_032152) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRAM1
Synonyms:	PML-RAR; PRAM-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG206972 representing NM_032152
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCCATCACCTGCCTGCAGCCATGGAGAACCATCAGGACTTCCGGAGCATCAAAGCAAAGTTCCAGG
 CCTCTCAGCCGGAGCCAGCGACCTGCCAAAAAACCTCCGAAGCCTGAGTTTGGTAAACTGAAGAAGTT
 CTCCCAGCCTGAGCTAAGCGAGCACCCAAAGAAGGCCCGCTGCCTGAGTTTGGTGCAGTGTCTTGAAG
 CCCCCGCCGCTGAGGTCACTGACCTCCCCAAGAAGCCCCCGCCGCTGAGGTCACTGACCTCCCCAAGA
 AGCCCCCGCCGCTGAGGTCACTGACCTCCCCAAGAAGCCCCCGCCGCTGAGGTCACTGACCTCCCCAAGA
 GAAGCCGTCCAAACTGGAGTTGAGTGACCTCTCCAAGAAGTTCCACAGCTGGGGGCCACTCCGTTTCCA
 AGGAAGCCCTGCAGCCTGAGGTGGTGGGCCCTTTGAAGGCCTCGCTGCCGGAGCCTGGTGCCTGG
 CCGGAACCCCTGCAGCCGACGAAGTCACTACCCCGCAGACCCCTCCGAACCAATCCGGCGC
 ATTCGCCAGGAAGCTCTGGCAACCCGAGGCCGGTGGGCTACCCGAGGTCCCGCAGCCTGAGTTGAGT
 ACCTTTCCCAAGAAGCCTGCGCAGCCTGAGTTCAACGTGTACCCAAAAAGCCTCCGAGCCTCAGGTGCG
 GTGGCCTCCCTAAGAAGTCCGTGCCGAGCCTGAGTTCAAGCAGGCCGCTCAGACTCCCTCTGGAAGCC
 TCAGTCCAGCGAGCCGAAGCGCAGCTCCAGCGCTTTCCAAAAAGGCCTCCAGCCTCCGCTGAGTGAC
 TTTCCCAAGAAGCCTCCGAGCCTGAGCTTGGGGACCTCACCAGGACCTCCTCAGAGCCGAAGTCAGCG
 TGCTTCCCAAGAGGCCGCGCGGCCGAATTCAAAGCGCTCTCCAAGAAGCCCCGAGCCGAGCTGGG
 CGGCCTCCCGAGGACCTCCTCAGAGCCGAGTTCAACTCACTCCCGAGGAAGTGTGTCAGCCGAGCGC
 CGGGGGCCACCCGCAAGTTCTCAGAGCCTGAGCCAGCGCTGTCTCAAGAGACCCCGCAGCCTGAGT
 TCTTCGGTGATCTCCCTCGAAAGCCTCCACTCCCGAGCTCCGCTTCCGAGAGCTCACTGCCTGCGGCCGT
 GGCCGGCTTCAGCTCCCGGCACCCGCTCAGCCCTGGGTTTGGAGCCGCTGGGACACCCCGCTGGAGGTCA
 GGAGGCCTGGTTACAGTGAGGGGGCCAGGCCAGGCCTCAGACCCAGCCATCCACCCGGCGGAGGCCTC
 TGCCCCCTGCCAGCAGCCTGGGACACCTCCAGCCAAGCCCCCGCTGCCCGGGGGCCCGTGGATATGCA
 GAGCTTTCGGAGACCCTCTGCAGCATCCATAGATCTACGGAGGACCCGCTCGGCCGCTGGGCTCCACTTC
 CAGGACCGCAGCCTGAAGACATCCCGCAGGTCCAGATGAGATCTACGAGCTGTATGACGATGTGGAAC
 CCAGAGATGACTCCAGCCCGAGCCCAAGGGCAGAGATGAAGCGCCCTCAGTTCAAGCAAGCCCGCAGGAG
 GCCACCACAAGACCAGCGCTCAGGAAGGAGAAGGATCCCGAGCCAGCAGTTGCCACCCATGGACCCA
 AAGTTGCTGAAGCAGCTGAGGAAGGCAGAGAAGGCCGAGAGGAGTTCCGAAGAAGTTCAAGTTTGAAG
 GGGAGATCGTGGTTACACGAAGATGATGATCGACCCCAACGCTAAGACACGTGCGGGGGTGGCAAGCA
 CCTCGGGATCCGGCGCGGGGAGATCCTGGAGGTGATCGAGTTACCCAGCAATGAGGAGATGCTGTCCGG
 GACCCCAAGGCAAATATGGCTACGTGCCAGAACAGCGCTCCTGCCCTGGAGACGGAGGTGTACGATG
 ATGTCGACTTCTGCGATCCCTGGAACAACCACTCCCTGGGACGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206972 representing NM_032152
 Red=Cloning site Green=Tags(s)

MAHHLPAAMENHQDFRSIKAKFQASQPEPSDLPKKPPKPEFGKLLKFSQPELSEHPKKAPLPEFGAVSLK
 PPPPEVTDLPKKPPPPEVTDLPKKPPPPEVTDLPKKPPPPEVTDLPKKPSKLELSDLKKFPQLGATPFP
 RKPLQPEVGEAPLKASLPEPGAPARKPLQPELSHPARPPSEPKSGAFPRKLWQPEAGEATPRSPQELS
 TFPKKPAQPEFNVYPKKPPQPQVGGLPKKSVPQPEFSEAAQTPLWKPQSSEPKRDSAFPKKASQPPLSD
 FPKKPPQPELGDLTRTSSEPEVSVLPKRPRPAEFKALSKKPPQPELGGLPRTSSEPEFNSLPRKLLQPER
 RGPPrKFSQPEPSAVLKRHPQPEFFGDLPRKPPLPSSASESSLPAAVAGFSSRHPLSPGFGAAGTPrWRS
 GGLVHSGGARPLRPSHPPRRRPLPASSLGHPAPKPLPPGPVDMQSFRRPSAASIDLRRTRSAAGLHF
 QDRQPEDIPQVPDEIYELYDDVEPRDSSPSKGRDEAPSVQQAARRPPQDPALRKEKDPQPQLPPMPD
 KLLKQLRKAKEAREFRKKFKFEGEIVVHTKMMIDPNAKTRGGGKHLGIRGEILEVIEFTSNEEMLCR
 DPKGKYGYVPRALLPLETEVYDDVDFCDPLENQPLPLGR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032152

ORF Size: 2010 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 or by calling 301.340.3188 option 3 for pricing and delivery.

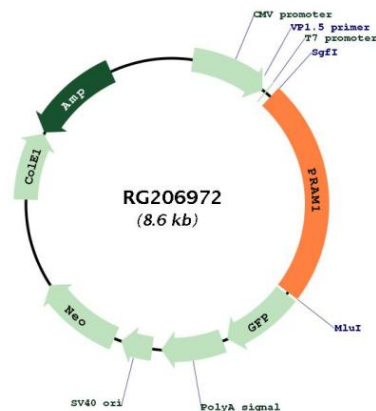
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032152.2</u>
RefSeq Size:	2189 bp
RefSeq ORF:	2013 bp
Locus ID:	84106
UniProt ID:	<u>Q96QH2</u>
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]

Product images:



Circular map for RG206972