

Product datasheet for **SC111400**

PRAF1 (POLR1E) (NM_022490) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAF1 (POLR1E) (NM_022490) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAF1
Synonyms:	A49; PAF53; PRAF1; RPA49
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022490, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGAGGTGTTGCCGAGTGCGAGGTGGCAGTATTGTGGGGCGCCCGACGGGAGCCAGAGAGCTG
TACTGGTCCAGTTCTCCAACGGGAAGCTACAGAGTCCAGGCAACATGCGCTTTACCTTGTATGAGAACAA
AGATTCCACCAACCCAGGAAGAGGAATCAACGGATCCTGGCAGCTGAAACAGATAGGCTCTCCTATGTG
GGAAACAATTTGGGACTGGAGCCCTCAAATGCAACACTTTGTGCAGGCACTTTGTGGGAATTTGAACA
AGACCTCTGGCCAAATGGAAGTATATGATGCTGAATTGTTCAACATGCAGCCACTATTTTCAGATGTATC
AGTTGAGAGTGAAGTGGGCTAGAGAGTCAGACCAAACTTACAGAGAAAAGATGGATTCTTGATTGAA
GCCTTTGGTACCACCAACAGAAGCGAGCTCTGAACACCAGGAGAATGAACAGAGTTGGCAATGAATCTT
TGAATCGTGAGTGGCTAAAGCTGCAGAGACTATCATTGATACGAAGGGTGTGACTGCTCTGGTCAGCGA
TGCTATCCACAATGACTTGCAAGATGACTCCCTCTACCTTCTCCCTGCTATGATGATGCAGCCAAGCCT
GAAGACGTGTATAAATTTGAAGATCTTCTTTCCCTGCGGAGTATGAAGCTCTTCAGAGCCCATCTGAAG
CTTTCAGGAACGTACGTCAGAAGAAATACTGAAGATGATTGAGGAGAACAGCCATTGCACCTTTGTCAT
AGAAGCGTTGAAGTCTTTGCCATCAGATGTGGAGAGCCGAGACCGCCAGGCCCGATGCATATGGTTTCTG
GATACCCCTCATCAAATTCGAGCTCATAGGGTAGTTAAGCGGAAAAGTGTCTGGGACCTGGAGTTCCCC
ACATCATCAACACCAAATGCTGAAGCACTTTACTTGCTTGACCTACAACAATGGCAGATTACGGAACCT
AATTTCCGATTCTATGAAGGCGAAGATTACTGCATATGTGATCATACTTGCCCTTGACATACATGACTTC
CAAATTGACCTGACAGTGTACAGAGGGACTTGAAGCTCAGTGAGAAAAGGATGATGGAGATAGCCAAAG
CCATGAGGCTGAAGATCTCCAAAAGAAGGGTGTCTGTGGCCGCCGCACTGAAGAAGATCACAACCTGGG
CACCTGTCCCTCCGCTGCCTCCAGCCAGACCTCAGACCGCTGGCAAAGCGGAGGAAGATTACCTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022490 unedited
 GCCGTTCCGGGATTTGTATACGATTTACTATAGGCGGCCGCGCAATTCGCACGAGGCTCGG
 CCTGGGCTCCCGCGTGTAAAAATGCGCTTGTGGCTGCTGCTGCTTAACTCCTGTGCTT
 GGCGGACAGACAGGCGAGATGGCGGCGGAGGTGTGCCGAGTGCAGGTGGCAGTATTGT
 GGGGCGCCCGACGGGAGCCACAGAGCTACTCTGGTCCAGTTCTCCAACGGGAAGCTACAG
 AGTCCAGGCAACATGCGCTTTACCTTGTATGAGAACAAGATCCACCAACCCAGGAAG
 AGGAATCAACGGATCCTGGCAGCTGAAACAGATAGGCTCTCCTATGTGGGAAACAATTTT
 GGGACTGGAGCCCTCAAATGCAACACTTTGTGCAGGCACCTTGTGGGAATTTTGAACAAG
 ACCTCTACCCAAATGGAAGTATATGATGCTGAATTGTTCAATATGCTGCCACTATTTTCA
 GATGTATCAGTTGAGAGTGAAGTGGCGCTAGAGAGTACAGACAAAACCTTACAGAGAAAAG
 ATGGATTCTTGTATTGAAGCCTTTGGTACCACCAACAGAAAGCGAGCTCTGAACACCAGG
 AGAATGAACAGAGTTGGCAATGAATCTTGAATCGTGCAGTGGCTAAAGCTGCAGAGACT
 ATCATTGATACGAAGGGTGTGACTGCTCTGGTACCGATGCTTTCCCAATGACTTGAAG
 ATGACTCCCTCTACCTTCTNCCTGCTATGATGATGCACCCAAGCCTGAATACGTGTTTA
 AATTGTGAAATCTTTTTTCCCTGCGGAGTATGAAACTCTTCAAACGCATCTGAAGCT
 TTCACGAACCTCCCGCCAAAAGAATACTGGACATAATGGGGAGAACAGCCTTTGCCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022490 unedited
 CCCTCACTTGCTANAGTCGAGAAATCTTTTTTTTTTTTGAAGTCCAACCTTTCCATCGC
 TTTATATTTCTGCATAAGACAAGCACAGTTGAGATGCTGGCTTCTGGCTTCATACCTGTG
 CTAAGCAAGGCTCTTTTTTCTTATGTTACTTTTTTGGACAAGGTCTCACTCTGTGA
 CCCAGGATGGAGTGTGGCCACTCATCTTAGCTCACTGCAACCTTGATTTCCCAAGCTCAA
 GTAATCGTCTGCCTCAGCCTCCCGAGTAGCTGGGATCACAGGCGCACACCACCAGGCT
 GACTCTTTTTTTTTCTCCGGTAGAGATGGGGTCTCCCTATGTTGTCCAGACTGGTTTC
 AAACCTCTGAGCTCAATGATCTTCTGCCTCGGCTCCCAAAGTCTGGGATTTCAAGTG
 TGAGCCACCATCCCGGACCTTTTCTTTCAAACATACATAAAAATGGAATGAATAGG
 ACCAGCCAGTGGCTGTGATGCAGCCAAAACGCCCTGTCTGGAAAGCATGCGTCTAGGTAA
 TCTTCTCCGCTTCGCCAGGCGGTCTGACGTCTGGGCTGGAGGCACCGGGAGGGACAGGG
 TGCCAGTTTGTGATCTTCTCACTGCCGGCGCCACAGACACCCTTCTTTGGAGATC
 TTCAGCCTCATGGCTTTGGCTATCTCCATCATCCTTTTCTCACTGAGCTCAAGTCCCTC
 TGTAACACTGCCAGGTCAATTTGGAAGTCATGCATGTGCCAGGCAAGGATGATCATAT
 GCAGCGATTCTCCGCTTCATAGACACCCGAAATTAAGTTCCGTAATCTGCCATTGTTGT
 AAGGCAAGCACGCAAAGTCTTCCACAGCTCCGGTGTGCTGATGTGCGGAACTCCAGGC
 CCAGCACCACTTTCCCTTATAAACCTACGACCCGAACTTGCCGAGGGTCCACGAACC
 TTGCATCGGCGCTGCGGCTTCGGCTCCACATCGAGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_022490

Insert Size:

1790 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_022490.1 , NP_071935.1
RefSeq Size:	1854 bp
RefSeq ORF:	1260 bp
Locus ID:	64425
UniProt ID:	Q9GZS1
Cytogenetics:	9p13.2
Protein Families:	Transcription Factors
Protein Pathways:	Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
Gene Summary:	<p>DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase I which synthesizes ribosomal RNA precursors. Appears to be involved in the formation of the initiation complex at the promoter by mediating the interaction between Pol I and UBTF/UBF (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>