

## Product datasheet for SC335527

### PRAF1 (POLR1E) (NM\_001282766) Human Untagged Clone

#### Product data:

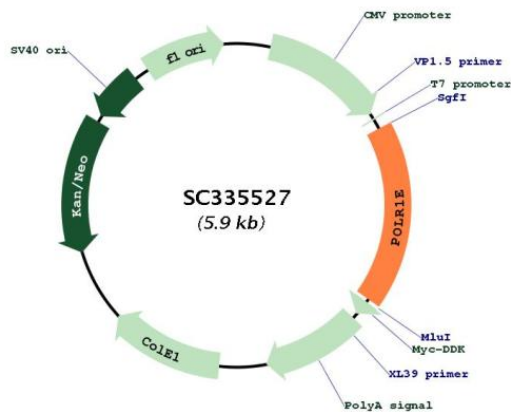
|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | PRAF1 (POLR1E) (NM_001282766) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | POLR1E   |
| Synonyms:                 | A49; PAF53; PRAF1; RPA49   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC335527 representing NM_001282766.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGCTGAATTGTTCAACATGCGCCACTATTTTCAGGTCTTTCACCAAGAAAGCAAAATTTATTTTC
TGGAAAGAGCCAAAGGACTTGTCTTAATCCTGTCTCTGCCACTACCTGGTGAACGACCTGGGATGTA
TCAGTTGAGAGTGAACCTGGCGCTAGAGAGTCAGACCAAACTTACAGAGAAAAGATGGATTCTTGATT
GAAGCCTTTGGTACCACCAACAGAAGCGAGCTCTGAACACCAGGAGAATGAACAGAGTTGGCAATGAA
TCTTTGAATCGTGCAGTGGCTAAAGCTGCAGAGACTATCATTGATACGAAGGGTGTGACTGCTCTGGTC
AGCGATGCTATCCACAATGACTTGCAAGATGACTCCCTCTACCTTCTCCCTGCTATGATGATGCAGCC
AAGCCTGAAGACGTGTATAAATTTGAAGATCTTCTTTCCCTGCGGAGTATGAAGCTCTTCAGAGCCCA
TCTGAAGCTTTCAGGAACGTACGTCAGAAGAAATACTGAAGATGATTGAGGAGAACAGCCATTGCACC
TTTGTCATAGAAGCGTTGAAGTCTTTGCCATCAGATGTGGAGAGCCGAGACCCAGGCCGATGCATA
TGGTTTCTGGATACCCTCATCAAATTTGAGCTCATAGGGTAGTTAAGCGGAAAAGTGCTCTGGGACCT
GGATTCCCCACATCATCAACACCAAATGCTGAAGCACTTTACTTGCTTGACCTACAACAATGGCAGA
TTACGGAACCTAATTTTCGATTCTATGAAGCGAAGATTACTGCATATGTGATCATACTTGCTTGAC
ATACATGACTTCCAAATGACCTGACAGTGTACAGAGGGACTTGAAGCTCAGTGAGAAAAGGATGATG
GAGATAGCCAAAGCCATGAGGCTGAAGATCTCCAAAAGAAGGGTGTCTGTGGCCCGCGCAGTGAAGAA
GATCACAAACTGGGCACCCTGTCCCTCCCGCTGCCTCCAGCCAGACCTCAGACCCCTGGCAAAGCGG
AGGAAGATTACCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001282766

**Insert Size:** 1050 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:**

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\\_001282766.1](#)

**RefSeq Size:** 1978 bp

**RefSeq ORF:** 1050 bp

**Locus ID:** 64425

**UniProt ID:** [Q9GZS1](#)

**Cytogenetics:** 9p13.2

**Protein Families:** Transcription Factors

|                          |  |
|--------------------------|--|
| <b>Protein Pathways:</b> | Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase   |
| <b>MW:</b>               | 39.8 kDa   |
| <b>Gene Summary:</b>     | <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 (2) uses an alternate exon the coding region which results in the use of downstream start codon compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus compared to isoform 1.</p> |