

## Product datasheet for **RG237633**

### **PRAF1 (POLR1E) (NM\_001282766) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRAF1 (POLR1E) (NM_001282766) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POLR1E
Synonyms:	A49; PAF53; PRAF1; RPA49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237633 representing NM_001282766. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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TCAGTTGAGAGTGAAGTGGCGCTAGAGAGTCAGACCAAACTTACAGAGAAAAGATGGATTCTTGATT
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TCTGAAGCTTTCAGGAACGTACGTCAGAAGAAATACTGAAGATGATTGAGGAGAACAGCCATTGCACC
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GAGATAGCCAAAGCCATGAGGCTGAAGATCTCCAAAAGAAGGGTGTCTGTGGCCCGCCGAGTGAAGAA
GATCACAAACTGGGCACCCTGTCCCTCCCGCTGCCTCCAGCCAGACCTCAGACCCCTGGCAAAGCGG
AGGAAGATTACC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237633  
 Blue=ORF Red=Cloning site Green=Tag(s)

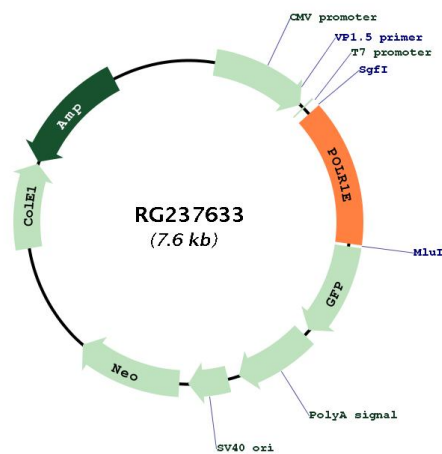
MMLNCSTCSHYFQVHFQESKIIIFWKEPRTCFLILSLPLPGELTWDVSVSELALESQTKTYREKMDSCI  
 EAFGTTKQKRALNTRRMNRVGNESLNRAVAKAAETIIDTKGVTALVSDAIHNDLQDDSLYLPPCYDDAA  
 KPEDVYKFEDLLSPAEEALQSPSEAFRNVTSSEILKMI EENSHCTFVIEALKSLPSDVESRDRQARCI  
 WFLDTLIKFRHRVVKRKSALGPGVPHIINTKLLKHFTCLTYNNGRLRNLI SDSMKAKITAYVILALH  
 IHDFQIDLTVLQRDLKLEKRMMEIAKAMRLKISKRRVSVAAAGSEEDHKLGTLSLPLPPAQTSDRLAKR  
 RKIT  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001282766
<b>ORF Size:</b>	1047 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001282766.1</a> , <a href="#">NP_001269695.1</a>
<b>RefSeq Size:</b>	1978 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	64425
<b>UniProt ID:</b>	<a href="#">Q9GZS1</a>
<b>Cytogenetics:</b>	9p13.2
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
<b>MW:</b>	40.2 kDa
<b>Gene Summary:</b>	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]