

## Product datasheet for **RG237089**

### **POLR3F (NM\_001282526) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	POLR3F (NM_001282526) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POLR3F
Synonyms:	C34; RPC6; RPC39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237089 representing NM_001282526. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTCATATAGAAGCCAGCAGCGGGCAGTAGCCATCAATAGGTTGTTGTCTATGGGTCAGTTGGAT
CTCTTAAGGAGCAATACGGGCCTTTTATATAGAATAAAGGACTCTCAGAATGCTGGTAAATGAAGGGA
TCCGATAACCAAGAAAACTAGTATATCAAATCATAGAGGATGCAGGAAATAAAGGAATATGGAGCAGA
GATATCCGCTATAAAAGTAATTTGCCATTAACAGAAATCAACAAAATTCTGAAGAATCTGAAAAGTAAA
AAGCTTATCAAAGCTGTTAAGTCTGTAGCAGCCTCAAAAAGAAGGTGTATATGCTCTATAACCTGCAG
CCAGACCGGTCTGTGACTGGTGGAGCCTGGTACAGTGACCAGGATTTTGAATCTGAATTTGTAGAGGTG
CTTAACCAACAGTGTAAAAATTCTACAGTCCAAGGCAGAAACAGCACGAGAAAGCAAACAGAACCCA
ATGATACAAAGAAATAGTTCATTTGCCCTCATCACATGAAGTGTGGAAATATATCTGCGAATTGGGAATC
AGTAAGGTAGAGTTATCCATGGAAGACATTGAAACCATCCTGAATACACTCATTTATGATGGAAAAGTG
GAGATGACGATTATTGCTGCAAAAAGAAGGCACAGTTGGCAGTGTAGATGGACACATGAACTGTACAGG
GCAGTCAATCCAATCATCCCTCCACAGGTTTGGTCCGGGCACCTGTGGACTCTGCCGGTTTTTGTAT
GACTGCCACGAAGGTGGTGAATTTCCACATCTAACTGTATTTACATGACAGAGTGGCTCGAATTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



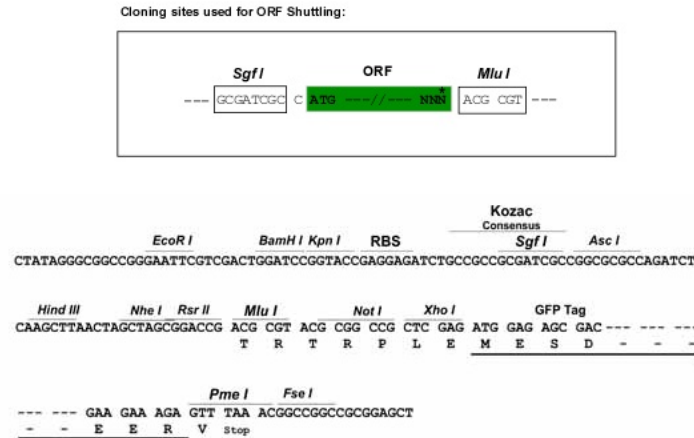
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**Protein Sequence:** >Peptide sequence encoded by RG237089  
 Blue=ORF Red=Cloning site Green=Tag(s)

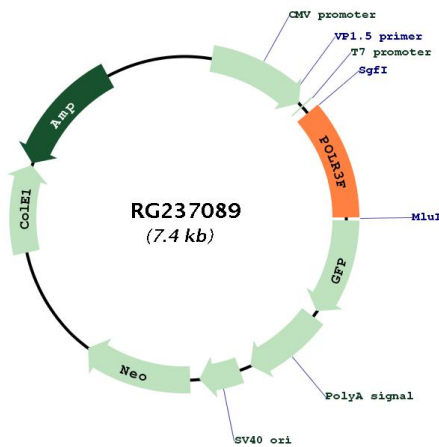
MPHIEAQQRAVAINRLLSMGQLDLLRSNTGLLYRIKDSQNAQKMGSDNQEKLVYQIIEDAGNKGIWSR  
 DIRYKSNLPLTEINKILKNLESKKLIKAVKSVAAASKKKVYMLYNLQPDRTVTGGAWYSDQDFESEFVEV  
 LNQQCFKFLQSKAETARESKQNPMIQRNSSFASSHEVWKYICELGISKVELSMEDIETILNLIYDGKV  
 EMTIIAAKEGTVGSVDGHMKLYRAVNPPIIPTGLVRAPCGLCPVFDDCHEGGEISPSNCIYMTWLEF  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282526

<b>ORF Size:</b>	825 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_001282526.2</a>
<b>RefSeq Size:</b>	2262 bp
<b>RefSeq ORF:</b>	828 bp
<b>Locus ID:</b>	10621
<b>UniProt ID:</b>	<a href="#">Q9H1D9</a>
<b>Cytogenetics:</b>	20p11.23
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
<b>MW:</b>	31.5 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is one of more than a dozen subunits forming eukaryotic RNA polymerase III (RNA Pol III), which transcribes 5S ribosomal RNA and tRNA genes. This protein has been shown to bind both TFIIIB90 and TBP, two subunits of RNA polymerase III transcription initiation factor IIIB (TFIIIB). Unlike most of the other RNA Pol III subunits, the encoded protein is unique to this polymerase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]