

## Product datasheet for **SC116048**

### **POLR3F (NM\_006466) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	POLR3F (NM_006466) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR3F
Synonyms:	C34; RPC6; RPC39
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006466, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGGAGGTGAAGGTGAAGGTGCAGCCGCTGACGCGGATCCGGTCGAAATAGAAAACAGGATTATAG
AATTATGTCACCAGTTCCTCATGGAATCACAGACCAAGTAATTCAGAATGAAATGCCTCATATAGAAGC
CCAGCAGCGGGCAGTAGCCATCAATAGTTGTTGTCTATGGGTCAGTTGGATCTCTTAAGGAGCAATACG
GGCCTTTTATATAGAATAAAGGACTCTCAGAATGCTGGTAAAATGAAGGGATCCGATAACCAAGAAAAAC
TAGTATATCAAATCATAGAGGATGCAGGAAATAAAGGAATATGGAGCAGAGATATCCGCTATAAAAGTAA
TTTGCCATTAACAGAAAACAACAAAATTCTGAAGAATCTGGAAAAGTAAAAAGCTTATCAAAGCTGTTAAG
TCTGTAGCAGCCTCAAAAAAGAAGGTGTATATGCTCTATAACCTGCAGCCAGACCGGTCTGTGACTGGTG
GAGCCTGGTACAGTGACCAGGATTTTGAATCTGAATTTGTAGAGGTGCTTAACCAACAGTGTTTTAAATT
CCTACAGTCCAAGGCAGAAAACAGCACGAGAAAAGCAAACAGAACCCAATGATACAAAGAAATAGTTCATTT
GCCTCATCACATGAAGTGTGAAATATATCTGCGAATTGGGAATCAGTAAGGTAGAGTTATCCATGGAAG
ACATTGAAACCATCCTGAATACACTCATTTATGATGAAAAGTGGAGATGACGATTATTGCTGCAAAAAGA
AGGCACAGTTGGCAGTGTAGATGGACACATGAACTGTACAGGGCAGTCAATCCAATCATCCCTCCCACA
GGTTTGGTCCGGGCACCCTGTGGACTCTGCCGGTTTTTGTGACTGCCACGAAGGTGGTGGAGATTTAC
CATCTAACTGTATTTACATGACAGAGTGGCTCGAATTTTAA
```



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006466 unedited  
 TTCGCATTTGAATACGTTTCTATAGGCGGCCGCGNAATTCGCACGAGGTGCGCCTCAGCA  
 GAGCGCTATCCTCCACTGGTTACCCGGGTTCCCGGCTTGCTACCGGGCTGCTCCGTGCA  
 TCTTTCCCCCAGGCGTCAGGAAGTGCGCCCTCATGGCGGAGGTGAAGGTGAAGGTGCAG  
 CCGCCTGACGCGGATCCGGTCGAAATAGAAAACAGGATTATAGAATTATGTCACCAAGTTC  
 CCTCATGGAATCACAGACCAAGTAATTCAGAATGAAATGCCTCATATAGAAGCCAGCAG  
 CGGGCAGTAGCCATCAATAGGTTGTCTATGGGTCAGTTGGATCTCTTAAGGAGCAAT  
 ACGGGCCTTTTATATAGAATAAAGGACTCTCAGAATGCTGGGTAAGTACTTGTTTTTTTA  
 ATTTTAAGAAAATGTTTATTATTGCAAACGTATGTGTTGGGAATAAAGCTAATACAAAA  
 TTACATAAACCTGTCCTGTGTATCATCCCTGCCTCCTATGATATATTCCATTTCCAGAG  
 GTAAGTCTCTTAATAATTTAGTGTATATCCTTTCTTCTAGCTATATATAAATACACATA  
 GATGATTATATTTATATAATCTTTCTTTTTTTTTTAACANAAATGGAATCATGCT  
 ATCCATTCTGTTTGCAATTTGTTTTTCACTTACTGTATCTTGGACATCTTTTCATGT  
 TGGTACACACAGCTCTGTCTATTCTATTTAAGTAAATGAAGGGATCCGAAACCCAGAAA  
 ACCAGTATATCAATCATAGAGATGCAGAAATAAAGCATATGCAGCAGAGATTCCGCTATA  
 AAGTAATTTGCCTTAACAGAATCAACAAATTTCTGAGGATCTGAAAGTAAAGCTATCAA  
 CTGTAG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006466 unedited  
 GCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGG  
 GGGTTATCAACAACAGAAATTTATTTCTACAATCTGGAGGCTGGGAAGTCCAAAATCA  
 AAGGGCTTACAGATTTGTTTTCTGGGGAAGACCCACTTCTGGTTCGTGGATGTTTGTCT  
 TCTCCCTTTCACATGGCAAAAAGGGTGATGGAGCTCTCTGGGTCTTTTATATAAAGGCA  
 CTAATCCCATTCGAACGCTGTTACTCTCCTGACCTATCACTTACCAAAGCCCACT  
 CCAAATACCATCACATTGGAATGAGATTTCAACATTAATAATTTCTCGGTGCACACAAACA  
 TTCAGTCTACTGCAGACATTAATAAAAACTAGGGTAAATTTCAACAAAGAATACATTT  
 GAGTTAAAGAGTGAAACATAAGACTTTAAGAAAGAAGGAACAGTGAAATATTCTTTAAA  
 ATGAAAATGATAGTATTTATGTAAGTAAATAATGTCCTTGACAGTAGTCATTGGGTTTGA  
 AGTAAGTATGGTAGCATAATCTCCTAAAAGAACATTTCTGATACAAAAAGGAATTAATAT  
 TGTGCGGAAAAGGCATGTTCCACTCTCCCCAGTCATACCCCAAGTTTGCACCTTTGCT  
 ATTCCTGCCTTAAACACTTCTAATTTCTTTTCAATGAAACCACTGAGAAAAGTGGAAAC  
 CAGAAATGGTGGTAGTGAAACAGATTTAAAAAAAACCTCCTGGAGAAGTATAAAAAAC  
 TTTAAAAGACATTTNTACCTCTACCATTTNATAAACCTGGGAAATACGGTATGTTGCAT  
 CTTTTTCTGACCATCAAAGTCTGAAGAAGTGCCTCCCGAGTTCAAGGGTTATTATTGA  
 AAAGAATCTACTACCTATTCTTATATTACAGGCTTTACCAATAAATACCTCTA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006466

**Insert Size:**

2870 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006466.2</a> , <a href="#">NP_006457.2</a>
<b>RefSeq Size:</b>	2177 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	10621
<b>UniProt ID:</b>	<a href="#">Q9H1D9</a>
<b>Cytogenetics:</b>	20p11.23
<b>Domains:</b>	RNA_pol_Rpc34
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>