

## Product datasheet for **RG236147**

### **POLR2F (NM\_001301130) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** POLR2F (NM\_001301130) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** POLR2F  
**Synonyms:** HRBP14.4; POLRF; RPABC2; RPABC14.4; RPB6; RPB14.4; RPC15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236147 representing NM\_001301130.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCAGACAACGAGGACAATTTTGATGGCGACTTTGATGATGTGGAGGAGGATGAAGGGCTAGAT
GACTTGGAGAATGCCGAAGAGGAAGGCCAGGAGAATGTCGAGATCCTCCCCTCTGGGGAGCGACCCGAG
GCCAACCAAGCAATCACCACACCATACATGACCAAGTACGAGCGAGCCCGCTGCTGGGCACCCGA
GCGCTCCAGATTGCGATGTGTGCCCTGTGATGGTGGAGCTGGAGGGGAGACAGATCCTCTGCTCATT
GCCATGAAGGAACAACGCCCGCTCGGCCTCAGAACCGCCCGGAGAGGAGCCCGCTGGATGGACAGA
GGGACGAGGGACGAGCATCTGCCGTCGTGCCGCTGCCCTGCAGTCGCCTCCAACACCCGCTGCTGC
CCGCCCGCTGCCTGCCTGCTGTCCTCTCTCCCGGAGGCGCGGCTCAGAGAGGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236147  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSDNEDNFDGDDFDDVEEDEGLDDLENAEEEGQENVEILPSGERPQANQKRITTPYMTKYERARVLGTR
ALQIAMCAPVMVELEGETDLLIAMKELNARSASEPPGEEPPWMDRGRTRDEHLPSCPGCPAVASNTRCC
PPAACLPGISLRRRRRLREE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



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<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_001301130.2</a>
<b>RefSeq Size:</b>	1450 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	5435
<b>Cytogenetics:</b>	22q13.1
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
<b>MW:</b>	18 kDa
<b>Gene Summary:</b>	This gene encodes the sixth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit, in combination with at least two other subunits, forms a structure that stabilizes the transcribing polymerase on the DNA template. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]