

## Product datasheet for **RG200650**

### **POLR2H (NM\_006232) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** POLR2H (NM\_006232) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** POLR2H  
**Synonyms:** RPABC3; RPB8; RPB17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200650 representing NM\_006232  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGGCATCCTGTTGAGGATATTTTCGATGTGAAGGATATTGACCCGGAGGGCAAGAAGTTTGACC  
 GAGTGTCTCGACTGCATTGTGAGAGTGAATCTTCAAGATGGATCTAATCTTAGATGTAACATTCAAAT  
 TTACCCTGTAGACTTGGGTGACAAGTTTCGGTTGGTCATAGCTAGTACCTTGTATGAAGATGGTACCCTG  
 GATGATGGTGAATACAACCCACTGATGATAGGCCTCCAGGGCTGACCAGTTTGAGTATGTAATGTATG  
 GAAAAGTGTACAGGATTGAGGGAGATGAACTTCTACTGAAGCAGCAACACGCCTCTCTGCGTACGTGTC  
 CTATGGGGCCTGCTCATGAGGCTGCAGGGGATGCCAACACCTGCATGGATTCGAGGTGGACTCCAGA  
 GTTTATCTCCTGATGAAGAAGCTAGCCTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG200650 representing NM\_006232  
 Red=Cloning site Green=Tags(s)

MAGILFEDIIDVVDIDPEGKKFDRVSRSLHCESESFKMDLILDVNIQIYPVDLGDKFRLLVIASSTLYEDGTL  
 DDGEYNPTDDRPSRADQFEYVMYGVYRIEGDETSTEAATRLSAYVSYGGLLMRLQGDANNLHGFEVDSR  
 VYLLMKKLAF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



[View online »](#)

**Cloning Scheme:**



**ACCN:** NM\_006232

**ORF Size:** 450 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_006232.4](#)

**RefSeq Size:** 821 bp

**RefSeq ORF:** 453 bp

**Locus ID:** 5437

**UniProt ID:** [P52434](#)

**Cytogenetics:** 3q27.1

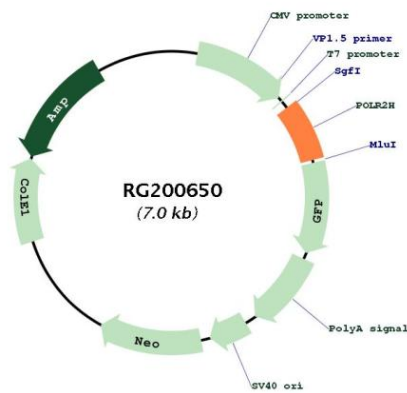
**Domains:** RNA\_pol\_Rpb8

**Protein Families:** Transcription Factors

**Protein Pathways:** Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

**Gene Summary:** The three eukaryotic RNA polymerases are complex multisubunit enzymes that play a central role in the transcription of nuclear genes. This gene encodes an essential and highly conserved subunit of RNA polymerase II that is shared by the other two eukaryotic DNA-directed RNA polymerases, I and III. Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013]

**Product images:**



Circular map for RG200650