

Product datasheet for **RC235533**

POLR2H (NM_001278715) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR2H (NM_001278715) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: POLR2H
Synonyms: RPABC3; RPB8; RPB17
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235533 representing NM_001278715
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATCTAATCTTAGATGTAACATTCAAATTTACCCTGTAGACTTGGGTGACAAGTTTCGGTTGGTCA
TAGCTAGTACCTTGATGAAGATGGTACCCTGGATGATGGTGAATACAACCCCACTGATGATAGGCCTTC
CAGCTCTGCGTACGTGTCTATGGGGCCTGCTCATGAGGCTGCAGGGGGATGCCAACAACTGCATGGA
TTCGAGGTGGACTCCAGAGTTTATCTCCTGATGAAGAAGCTAGCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235533 representing NM_001278715
Red=Cloning site Green=Tags(s)

MDLILDVNIQIYPVDLGDKFRLLVIASTLYEDGTLDDGEYNPTDDRPSSAYVSYGGLLMRLQGDANNLHG
FEVDSRVYLLMKKLAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

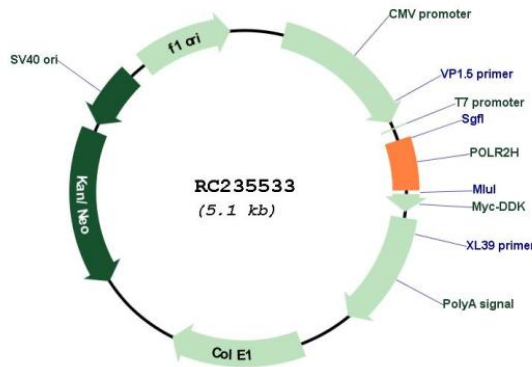


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001278715

ORF Size: 258 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](#)

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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: | <u>NM_001278715.1</u> , <u>NP_001265644.1</u> |
| RefSeq Size: | 1189 bp |
| RefSeq ORF: | 261 bp |
| Locus ID: | 5437 |
| UniProt ID: | <u>P52434</u> |
| Cytogenetics: | 3q27.1 |
| Protein Families: | Transcription Factors |
| Protein Pathways: | Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase |
| MW: | 10.1 kDa |
| 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] |