

Product datasheet for **RG236288**

POLR2H (NM_001278698) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR2H (NM_001278698) 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: >RG236288 representing NM_001278698.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGGCATCCTGTTTGAGGATATTTTCGATGTGAAGGATATTGACCCGGAGGCAAGAAGTTTGAC
CGAGTGTCTCGACTGCATTGTGAGAGTGAATCTTCAAGATGGATCTAATCTTAGATGTAACATTCAA
ATTTACCTGTAGACTTGGGTGACAAGTTTCGGTTGGTCATAGCTAGTACCTTGATGAAGATGGTACC
CTGGATGATGGTGAATACAACCCACTGATGATAGGCCTCCAGGGCTGACCAGTTTGAGTATGTAATG
TATGAAAAGTGTACAGGATTGAGGAGATGAACTTCTACTGAAGCAGCAACACGCCTGCTGAGATTG
AGAGCTGCTGAGTGGCAGTGTCCAGAATCACGGGATGGGCCTTCTGTTTCAGCTCTGCGTACGTGC
CTATGGGGCCTGCTCATGAGGCTGCAGGGGATGCCAACACCTGCATGGATTCGAGGTGGACTCCAG
AGTTTATCTCCTGATGAAGAAGCTAGCCTTCTGAACCTCGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236288
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAGILFEDIFDVKIDIDPEGKKFDRVSRSLHCESESEFKMDLILDVNIQIYPVDLGDKFRLVIASSTLYEDGT
LDDGEYNPTDDRPSRADQFEYVMYGVYRIEGDETSTEAATRLRLRAAEWQCSRITGWLLFLQCVRV
LWGAHEAAGGCQPAWIRGGLQSLSPDEEASLLNLA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKAHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

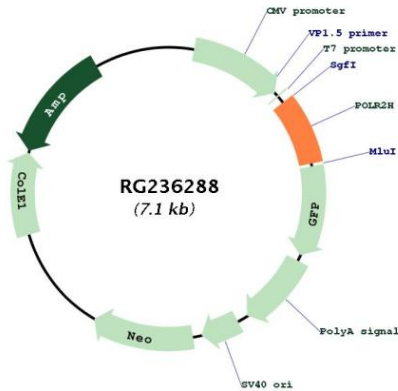


- ACCN:** NM_001278698
- ORF Size:** 525 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each 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).
- RefSeq:** [NM_001278698.2](#)
- RefSeq Size:** 1328 bp
- RefSeq ORF:** 528 bp
- Locus ID:** 5437
- UniProt ID:** [P52434](#)
- Cytogenetics:** 3q27.1
- Protein Families:** Transcription Factors
- Protein Pathways:** Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
- MW:** 20.2 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]

Product images:



Circular map for RG236288