

Product datasheet for **RG235793**

POLR2H (NM_001278714) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR2H (NM_001278714) 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: >RG235793 representing NM_001278714.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGGCATCCTGTTTGAGGATATTTTCGATGTGAAGGATATTGACCCGGAGGCAAGAAGTTTGAC
CGAGTGTCTCGACTGCATTGTGAGAGTGAATCTTCAAGATGGATCTAATCTTAGATGTAACATTCAA
ATTTACCTGTAGACTTGGGTGACAAGTTTCGGTTGGTCATAGCTAGTACCTTGTATGAAGATGGTACC
CTGGATGATGGTGAATAACAACCCACTGATGATAGGCCTCCAGCTCTGCGTACGTGTCTATGGGGGC
CTGCTCATGAGGCTGCAGGGGATGCCAACCTGCATGGATTGAGGTGGACTCCAGAGTTTATCTC
CTGATGAAGAAGCTAGCCTTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235793
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAGILFEDIFDVKDIDPEGKKFDRVSRHLHCESESFKMDLILDVNIQIYPVDLGDKFRLLVIASSTLYEDGT
LDDGEYNPTDDRPSSAYVSYGGLLMRLQGDANNLHGFEVDSRVYLLMKKLAF
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI

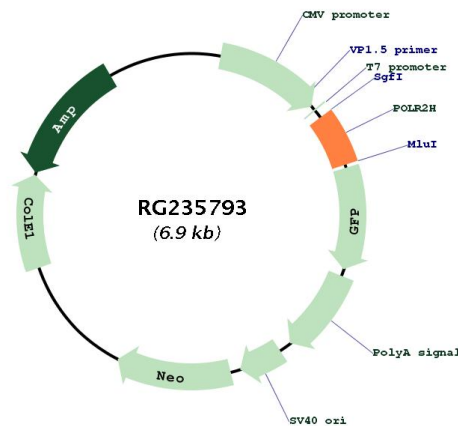


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001278714

ORF Size: 366 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_001278714.1 , NP_001265643.1
RefSeq Size:	1180 bp
RefSeq ORF:	369 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:	14.3 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]