

Product datasheet for SC112792

POLR2H (NM_006232) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR2H (NM_006232) Human Untagged Clone
Tag: Tag Free
Symbol: POLR2H
Synonyms: RPABC3; RPB8; RPB17
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_006232 edited
 ATGGCGGGCATCCTGTTTGAGGATATTTTCGATGTGAAGGATATTGACCCGGAGGGCAAG
 AAGTTTGACCGAGTGTCTCGACTGCATTGTGAGAGTGAATCTTTCAAGATGGATCTAATC
 TTAGATGTAAACATTCAAATTTACCCTGTAGACTTGGGTGACAAGTTTCGGTTGGTCATA
 GCTAGTACCTTGTATGAAGATGGTACCCTGGATGATGGTGAATACAACCCCACTGATGAT
 AGGCCTCCAGGGCTGACCAGTTTGAGTATGTAATGTATGGAAAAGTGTACAGGATTGAG
 GGAGATGAAACTTCTACTGAAGCAGCAACACGCCTCTCTGCGTACGTGTCCTATGGGGGC
 CTGCTCATGAGGCTGCAGGGGGATGCCAACACCTGCATGGATTCGAGGTGGACTCCAGA
 GTTTATCTCCTGATGAAGAAGCTAGCCTTCTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006232 unedited
 GGTTACATTTTGNATAACGACTCACTATAGGGCGCCGCAATTTCGCACGAGGCGCGC
 TTTCAGGAGGTGCTTTTGGTTCTCTCCGGTCTTGTCCACGCTAGGGGGTGCACGTA
 CACTGTGGTCCGCTCTCACCCCTTCTGCTGCTCTCGTGGCCCCCTCGCGATGGCGGGC
 ATCCTGTTTGAGGATATTTTCGATGTGAAGGATATTGACCCGGAGGGCAAGAAGTTT
 GACCGAGTGTCTCGACTGCATTGTGAGAGTGAATCTTTCAAGATGGATCTAATCTTAGATGTA
 AACATTCAAATTTACCCTGTAGACTTGGGTGACAAGTTTCGGTTGGTCATAGCTAGTACC
 TTGTATGAAGATGGTACCCTGGATGATGGTGAATACAACCCCACTGATGATAGGCCTTCC
 AGGGCTGACCAGTTTGTAGTATGTAATGTATGGAAAAGTGTACAGGATTGAGGGAGATGAA
 ACTTCTACTGAAGCAGCAACACGCCTCTCTGCGTACGTGTCCTATGGGGGCTGCTCATG
 AGGCTGCAGGGGGATGCCAACACCTGCATGGATTCGAGGTGGACTCCAGAGTTTATCTC
 CTGATGAAGAAGCTAGCCTTCTGAACCTCGCCTGAAGCCAGCCTCTCTGCCAAGTCACTC
 AGGTATGGGCATTGTTCAAGCCTGAGTGGCAGCCGCTCTTGCTCACCTGTTGAGGAAGG
 GCTGGCTCACTGTCCACCGTGGCGGCATCTTTAACTGGCCTCCACTCAATGGGAAACTGA
 CTCGCCTGTGAAAGACACAGTNGGAGAGCTGCAAATGAATCAGAAGCTNTATGTATATGA
 TTTTAAATTAACCTTTACTTTTTTCCAGAAANAAAAACAAAAAACTCGACTCTAGATTGCGG
 CCGCGGTCATAN



[View online »](#)

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006232 unedited NAGCTTGTACCCGGCCGAATCNANGATCGGTTTTTTTTTTTTTTTTTTCTGAAAAGTAA AGTTTAAATTTAAAAATCATATACATAAAGCTTCTGATTCAATTTTCAGCTCTCCCACTGTG TCTTTTCACAGGCGAGTCAGTTTCCCAATTGAGTGGAGGCCAGTTAAAGATGCCGCCACGGT GGACAGTGAGCCAGCCCTTCCTCAACAGGTGAGCATGATCGGCTGCCACTCAGGCTTGAA CAATGCCCATGACCTGAGTGACTTGGCAGAGAGGCTGGCTCAGGCGAGGTTCAGAAGGC TAGCTTCTTCATCAGGAGATAAACTCTGGAGTCCACCTCGAATCCATGCAGGTTGTTGGC ATCCCCCTGCAGCCTCATGAGCAGGCCCCATAGGACACGTACGCAGAGAGGCGTGTTC TGCTTCAGTAGAAGTTTCATCTCCCTCAATCCTGTACACTTTTCCATACATTACATACT AAACTGGTCAGCCCTGGAAGGCCTATCATCAGTGGGGTTGATTACCATCATCCAGGGT TCCATCTTCTACAAGGTACTAGCTATGACCAACCGAACTTGTCCCCAAGTCTACAGG GTAAATTTGAATGTTTACCTCCTAGATTAGACCCATCTTGAAAGATTCACCTTTACCTTG CAGCCCAAACCTTCGTCACCTTTGGCCCTCCGGGCCATTTCCCTCCCTTGAAATTTTC CCCAAACGGCTGCCCGGCTCTCGAGGGGGCCCCCTTACCCCTCAGGGGTGAGACGCCG CCCCCGTGGGAATCCCCCCCCCTTCCGTGGTCCAACCTGGTGGGACCCTTCCCCCTC TGTAACCCCCCTTTGGTCGCTTTCCCGGCCGTTTTTTCGGGTCCCGTCCATATTTGT GGTCCCCTTTGTGTCCTTGTGTTTCTATCATACTTACGCCACAACAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_006232
Insert Size:	840 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_006232.2 , NP_006223.2
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]

Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.