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Product datasheet for SC116985

POLR2K (NM_005034) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR2K (NM_005034) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR2K
Synonyms:	ABC10-alpha; hRPB7.0; hsRPB10a; RPABC4; RPB7.0; RPB10alpha; RPB12
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005034 edited ATGGACACCCAGAAGGACGTTCAACCTCCAAAGCAGCAACCAATGATATATATCTGTGGA GAGTGTCACACAGAAAATGAAATAAAATCTAGGGATCCAATCAKATGCAGAGAATGTGGA TACAGAATAATGTACAAGAAAAGGACTAAAAGATTGGTCGTTTTTGATGCTCGATGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005034 unedited AATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCGGGTTGTATTTGGAAAC GCGGAGTGAGTTTTTCCGTGCTGTGTAGGGGCTAACAATGGACACCCAGAAGGACGTTCA ACCTCCAAAGCAGCAACCAATGATATATATCTGTGGAGAGTGTCACACAGAAAATGAAAT AAAATCTAGGGATCCAATCAGATGCAGAGAATGTGGATACAGAATAATGTACAAGAAAAG GACTAAAAGATTGGTCGTTTTTGATGCTCGATGAATGCTGGGAATTCAGAGGAATGTCTT CACTTATACTTGGATTTGCTCTCTTCCCATTTCTGATTGTTGTATAGCTTTCGATTTTGC TTACAGTAGTTCCCCCTTATCTTCGGGAGATACATTCCAAGGCCCCCAGTGAACTCCTGA AACCTCAAACAGTACCAAACCTTTATACACTGTTTTTTCCATATATATATACCTATGATA AAGTATAATGTATAAATTAAGCATAGCAAGAGATTAATAATAATGTAATAGAACAATGAT AACATACTATAATAAAAGTTATGTGAATGTGGTTGGTCTCTCTTGCTNTCAAAATATCTT CTTGTACAGTACTCACCTATTTTAGAATGTGGTTGACTACAGGTAACCAAAACCACAGAA AGGGAAACTTTGGATGAGGNGGGCACTACTGTACTTANGAATACANCTATATACATATGA TTTTATTTTTAAGACATATTATANTTGGGTATCTACTAATATTTTGNATAAAGCAATTTT TGNTCCATTACGNGACTTTTNTGNNTTATNGATATGTAATTAACACACNNATAAGGNTAA AGTTGCTCCCCCAACACACTTTTAATCAAACCTAAATCATCTGCAGTCCTTGTAAAAATT GCAGTTTCTAAACCCTCTGAAGTTTGATAANTAATTNATGCCAACAAAAAAAAAAAAAAC TGACTTTGATGGCGC

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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_005034 unedited
ATGTACCGCGGAACGCTTTTAGAGTCGAGTTTTTTTTTTTTTTTTTGGTTTGCAATAAA
TTTATTTAATCAGAACTTCAGAGGTTCTAGAAACCTGCATTTTTAACAAGGACTGCAGAT
GATTCTAGGTTTTGATTAAAAGTGTGGTTTGGGGAAGCAACTTTACCCTTTATTGTGTGT
TAAATTACATATACAATAAAACAAAAAGTCACGTAATGGAACAAAAAATTGCTTTATACA
AAATATTAGTAGATACCCAAATATAATATGGCCTTAAAAATAAAATCATATGTATATAGT
TGCATTCCTAAGTACAGTAGTGCCCCCCTCATCCAAAGTTTCCCTTTCTGTGGTTTTGGT
TACCTGCAGTCAACCCACATTCTAAAATAGGCGAGCACTGTACAAGAAGATATTCTGAAA
GCCAGAGAGACCAACTACATTCACATCAACCTTTTATTATCGCCCGCCATCATTGCTCCT
ATTACATCTTCATCCAACCCTTTGCTATGCCTAACCCCTTCCCCCCACCCTCTCATCGCC
TCATCTCTCCGGCCTCATCACGCTTCCCGTCTCGTCTTCGCCCACTCGTCTTTTCATCTC
CTCCCCCCTCTTTTACTCCCTTTCACCCCCACTCTGCCCCACTTCCCGCACTTCCCATCC
CCCTTTATCCCTCCGCCACCACCTTCAACCCCTCCTCCCCTTCTCCCCCCACCTTCTCCT
CCTTTCTCCCCCTCTCCCCCATTTTACTCCTCCAACACTCCTTCCTCCCCCCTCTCTCCT
TCTCTCACCCCTCCACCTTTCTTTCCGCCTATCACCCCCTCCTCTTCCACTCCTTTCCTT
TCTTCCGCTATCTTCTCTATCTCTCCCCTCCCTCCCTCCACCTCTCTCTACCACCCTCCC
CTCACCATTCCCTATATCTTACTATCTTCCTGTCACATTTCTTAGATCTCTCACACTCTT
GCTCCCTCGTTCTCATTCCCTCCTCCTCCTCACTCCCTTCCCT
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Restriction Sites: NotI-NotI

ACCN: NM_005034

Insert Size: 980 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:
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_005034.3, NP_005025.1

RefSeq Size: 971 bp

RefSeq ORF: 177 bp

Locus ID: 5440

UniProt ID: P53803

Cytogenetics: 8q22.2

Protein Families: Transcription Factors

Protein Pathways:	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
Gene Summary:	This gene encodes one of the smallest subunits of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases. [provided by RefSeq, Jul 2008]