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Product datasheet for SC110811

POLR2J2 (NM_032959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR2J2 (NM_032959) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLR2J2
Synonyms:	HRPB11B; POLR2J3; RPB11b1; RPB11b2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110811 sequence for NM_032959 edited (data generated by NextGen Sequencing) ATGAACGCCCCTCCAGCCTTCGAGTCGTTCTTGCTCTTCGAGGGCGAGAAGATCACCATT AACAAGGACACCAAGGTACCCAATGCCTGTTTATTCACCATGAACAAAGAAGACCACACA CTGGGAAACATCATTAAATCACAACTCCTAAAAGACCCGCAAGTGCTATTTGCTGGCTAC AAAGTCCCCCACCCCTTGGAGCACAAGATCATCATCCGAGTGCAGACCACGCCGGACTAC AGCCCCCAGGAAGCCTTTACCAACGCCATCACCGACCTCATCAGCGAGCTGTCCCTGCTG GAGGAGCGCTTCCGGACGTGCCTGCTTCCCCTTCGCCTTCTGCCGTGA Clone variation with respect to NM_032959.5 84 g=>t;90 c=>t;102 c=>g;285 t=>c

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032959 unedited
TTGTATACGACTCATATAGGCGGCCGCGACATTCGCACGAGGGGACACTTGGGGTCTGGA
CGCAACGGCGGCGGGAGCATGAACGCCCCTCCAGCCTTTCGAGTCGTTCTTGCTCTTCGA
GGGCGAGAAGATCACCATTAACAAGGACACCAAGGTACCCAATGCCTGTTTATTCACCAT
GAACAAAGAAGACCACACACTGGGAAACATCATTAAATCACAACTCCTAAAAGACCCGCA
AGTGCTATTTGCTGGCTACAAAGTCCCCCACCCCTTGGAGCACAAGATCATCATCCGAGT
GCAGACCACGCCGGACTACAGCCCCCAGGAAGCCTTTACCAACGCCATCACCGACCTCAT
CAGCGAGCTGTCCCTGCTGGAGGAGCGCTTCCGGACGTGCCTGCTTCCCCTTCGCCTTCT
GCCGTGATTGTCAGTTTCCTGAGGCCTCCCCAGCCACGCTTCCTGTACAGCCTGCAGAAC
TTCTGGCATGGAAAAGCCCCTGTGCAACTGGTAAAGATATCAATAAGCACCAGGAGGTAT
CTAAATCCACCAGGAGCCATAGGCATCACGNTTGACGTCCATTTACCAGTCTTCCCTGGC
AAGATTCTTCTGAATTGTGCTGCCTTGCCAAAGAAGTTTGGAAGGGGCCTGGGCCCAATG
GGCTTGGGCCTTGAATCCCAACATTTTGGGAAACAATTCAAGTGGGATGTTATAAGGGCA
AAGGGGTTCAGAACATCCTGTCCAACATGGTGACATTCCATCTCTACTAAAATACATAAG
TAACTGGNNTTGNNNGNNNGGGGGGCCCCGGTGATCCCCCCTCCTCCAAAAGGTGAGGGC
AGATAATCGCTTGACCTGGAGGGAAGAGGGGGGGGGGGGACCNAAAAATATGGCCTTTTG
CTCCCACGGGGGGAAAAAAAGGAAAAACTCCCTTAA

Restriction Sites: NotI-NotI

ACCN: NM_032959

Insert Size: 2060 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_032959.3, NP_116581.3

RefSeq Size: 1727 bp

RefSeq ORF: 348 bp

Locus ID: 246721

UniProt ID: Q9GZM3

Cytogenetics: 7q22.1

Domains: RNA_pol_L

Protein Families: Transcription Factors

Protein Pathways: Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Gene Summary: This gene is a member of the RNA polymerase II subunit 11 gene family, which includes three genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. The founding member of this family, DNA directed RNA polymerase II polypeptide J, has been shown to encode a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This locus produces multiple, alternatively spliced transcripts that potentially express isoforms with distinct C-termini compared to DNA directed RNA polymerase II polypeptide J. Most or all variants are spliced to include additional non-coding exons at the 3' end which makes them candidates for nonsense-mediated decay (NMD). Consequently, it is not known if this locus expresses a protein or proteins in vivo. [provided by RefSeq, Jul 2008]