

Product datasheet for RG204819

RPB11 (POLR2J) (NM_006234) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

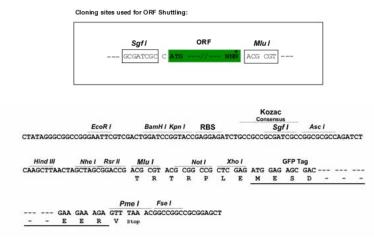
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Product Type:	Expression Plasmids
Product Name:	RPB11 (POLR2J) (NM_006234) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POLR2J
Synonyms:	hRPB14; POLR2J1; RPB11; RPB11A; RPB11m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG204819 representing NM_006234 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAACGCCCCTCCAGCCTTCGAGTCGTTCTTGCTCTTCGAGGGCGAGAAGAAGATCACCATTAACAAGG ACACCAAGGTACCCAATGCCTGTTTATTCACCATCAACAAAGAAGAACACCACACTGGGAAACATCATTAA ATCACAACTCCTAAAAGACCCGGCAAGTGCTATTTGCTGGCTACAAAGTCCCCCACCCCTTGGAGCACAAG ATCATCATCCGAGTGCAGACCACGCCGGACTACAGCCCCCAGGAAGCCTTTACCAACGCCATCACCGACC TCATCAGTGAGCTGTCCCTGCTGGAGGAGCGCTTTCGGGTGGCCATAAAAGACAAGCAGGAAGGA
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>RG204819 representing NM_006234 <mark>Red</mark> =Cloning site Green=Tags(s)
	MNAPPAFESFLLFEGEKKITINKDTKVPNACLFTINKEDHTLGNIIKSQLLKDPQVLFAGYKVPHPLEHK IIIRVQTTPDYSPQEAFTNAITDLISELSLLEERFRVAIKDKQEGIE
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul

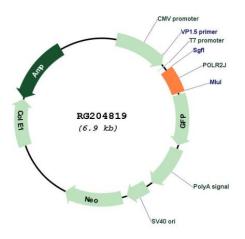


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Cloning Scheme:



Plasmid Map:



ACCN:	
ORF Size:	
OTI Disclaimer:	

ACCNI

NM_006234

351 bp

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. <u>More info</u>

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	(POLR2J) (NM_006234) Human Tagged ORF Clone – RG204819
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).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 006234.5</u>
RefSeq Size:	991 bp
RefSeq ORF:	354 bp
Locus ID:	5439
UniProt ID:	<u>P52435</u>
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 encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene exists as a heterodimer with another polymerase subunit; together they form a core subassembly unit of the polymerase. Two similar genes are located nearby on chromosome 7q22.1 and a pseudogene is found on chromosome 7p13. [provided by RefSeq, Jul 2008]

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