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Product datasheet for RC200440L4V

RPB2 (POLR2B) (NM_000938) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	RPB2 (POLR2B) (NM_000938) Human Tagged ORF Clone Lentiviral Particle
Symbol:	RPB2
Synonyms:	hRPB140; POL2RB; RPB2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000938
ORF Size:	3522 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200440).`
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.
RefSeq:	NM_000938.1, NP_000929.1
RefSeq Size:	3748 bp
RefSeq ORF:	3525 bp
Locus ID:	5431
UniProt ID:	P30876
Cytogenetics:	4q12
Domains:	RNA_pol_Rpb2_6, RNA_pol_Rpb2_7, RNA_pol_Rpb2_2, RNA_pol_Rpb2_1, RNA_pol_Rpb2_3, RNA_pol_Rpb2_4, RNA_pol_Rpb2_5

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Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
MW:	133.7 kDa
Gene Summary:	This gene encodes the second largest subunit of RNA polymerase II (Pol II), a DNA-dependent RNA polymerase that catalyzes the transcription of DNA into precursors of mRNA, snRNA and microRNA. This subunit and the largest subunit form opposite sides of the center cleft of Pol II. Deletion of the flap loop region of this subunit results in a decrease in the rate of transcriptional elongation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]