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Product datasheet for RC220367L1V

POLR1B (NM_019014) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	POLR1B (NM_019014) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLR1B
Synonyms:	A135; RPA2; RPA135; Rpo1-2; TCS4
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_019014
ORF Size:	3405 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC220367).`
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_019014.3, NP_061887.2
RefSeq Size:	5968 bp
RefSeq ORF:	3408 bp
Locus ID:	84172
UniProt ID:	Q9H9Y6
Cytogenetics:	2q14.1
Domains:	RNA_pol_Rpb2_3, RNA_pol_Rpb2_5
Protein Families:	Transcription Factors

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Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

MW: 128 kDa

Gene Summary: Eukaryotic RNA polymerase I (pol I) is responsible for the transcription of ribosomal RNA (rRNA) genes and production of rRNA, the primary component of ribosomes. Pol I is a multisubunit enzyme composed of 6 to 14 polypeptides, depending on the species. Most of the mass of the pol I complex derives from the 2 largest subunits, Rpa1 and Rpa2 in yeast. POLR1B is homologous to Rpa2 (Seither and Grummt, 1996 [PubMed 8921381]).[supplied by OMIM, Mar 2008]