

Product datasheet for **RC216765L1V**

POLR2A (NM_000937) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	POLR2A (NM_000937) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLR2A
Synonyms:	hRPB220; hsRPB1; NEDHIB; POLR2; POLRA; RPB1; RPBh1; RpiILS; RPO2; RPOL2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000937
ORF Size:	5910 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216765).
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_000937.4
RefSeq Size:	6738 bp
RefSeq ORF:	5913 bp
Locus ID:	5430
UniProt ID:	P24928
Cytogenetics:	17p13.1
Protein Pathways:	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase



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MW: 217.2 kDa

Gene Summary: This gene encodes the largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, this subunit, in combination with several other polymerase subunits, forms the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA. [provided by RefSeq, Jul 2008]