

## Product datasheet for **RC201266L4V**

### **POLR2E (NM\_002695) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	POLR2E (NM_002695) Human Tagged ORF Clone Lentiviral Particle
Symbol:	POLR2E
Synonyms:	hRPB25; hsRPB5; RPABC1; RPB5; XAP4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002695
ORF Size:	630 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201266).
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. <a href="#">More info</a>
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:	<a href="#">NM_002695.2</a>
RefSeq Size:	2866 bp
RefSeq ORF:	633 bp
Locus ID:	5434
UniProt ID:	<a href="#">P19388</a>
Cytogenetics:	19p13.3
Domains:	RNA_pol_Rpb5_C, RNA_pol_Rpb5_N
Protein Families:	Transcription Factors



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<b>Protein Pathways:</b>	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase
<b>MW:</b>	24.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes the fifth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases and is present in two-fold molar excess over the other polymerase subunits. An interaction between this subunit and a hepatitis virus transactivating protein has been demonstrated, suggesting that interaction between transcriptional activators and the polymerase can occur through this subunit. A pseudogene is located on chromosome 11. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]</p>