

Product datasheet for **MR211691L3V**

Polr1b (NM_009086) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Polr1b (NM_009086) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Polr1b
Synonyms:	128kDa; D630020H17Rik; RPA2; RPA116; RPA135; Rpo1-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009086
ORF Size:	3408 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211691).
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_009086.2 , NP_033112.2
RefSeq Size:	4017 bp
RefSeq ORF:	3408 bp
Locus ID:	20017
UniProt ID:	P70700
Cytogenetics:	2 F1



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Gene Summary:

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Second largest core component of RNA polymerase I which synthesizes ribosomal RNA precursors. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol I is composed of mobile elements and RPA2 is part of the core element with the central large cleft and probably a clamp element that moves to open and close the cleft (By similarity).[UniProtKB/Swiss-Prot Function]