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Product datasheet for MR211738L4V

Polr2b (NM_153798) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Polr2b (NM_153798) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Polr2b
Synonyms:	Pol2rb; Rpb2; Rpb140
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_153798
ORF Size:	3525 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211738).
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_153798.2, NP_722493.2
RefSeq Size:	3812 bp
RefSeq ORF:	3525 bp
Locus ID:	231329
UniProt ID:	Q8CFI7
Cytogenetics:	5 C3.3

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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 component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB2 is part of the core element with the central large cleft, the clamp element that moves to open and close the cleft and the jaws that are thought to grab the incoming DNA template (By similarity).[UniProtKB/Swiss-Prot Function]