

Product datasheet for MR211738L3

Polr2b (NM_153798) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Polr2b (NM_153798) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Polr2b

Synonyms: Pol2rb; Rpb2; Rpb140

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

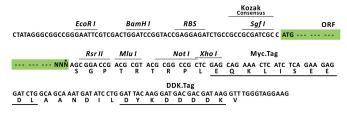
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR211738).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_153798

ORF Size: 3525 bp



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Polr2b (NM_153798) Mouse Tagged Lenti ORF Clone - MR211738L3

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 153798.2</u>, <u>NP 722493.2</u>

 RefSeq Size:
 3812 bp

 RefSeq ORF:
 3525 bp

 Locus ID:
 231329

 UniProt ID:
 Q8CFI7

 Cytogenetics:
 5 C3.3

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

Il 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]