

Product datasheet for MR220555

Polr1d (NM_009087) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr1d (NM_009087) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Polr1d
Synonyms: 16kD; 1110003G10Rik; AC19; mRP; RPA16; Rpo; Rpo1-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR220555 representing NM_009087
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGACGATCAGGAGCTGGAGAGAAAAATATCAGGATTGAAGACCTCAATGGCTGAAGGCGAGAGGA
AGACAGCCCTGGAAATGGTCCAGGCAGCTGGAACAGATAGACAGTGTGTGACATTTGCTGCACGAGGA
GGACCATACACTAGGAACTGTCTGCGGTACATAATCATGAAGAACC CGGAAGTGAATTTGTGGTTAC
ACTACGCCATCCTTCAGAGAGCAAAATTAATTTGCGAATT CAGACCCGGGGTGCCTTCCAGCTGTTG
AGCCGTTTCAGAAAGGCCTGAATGAGCTTTGAATGTCTGCCAGCATGTGCTTGTCAAGTTTGAGCCAG
CATAAAGGACTATAAAGCTAAAAAGGCAAGCAAAAAGGAGCCACATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220555 representing NM_009087
Red=Cloning site Green=Tags(s)

MEDDQELERKISGLKTSMAEGERKTALEMVQAAGTDRQC VTFVLHEEDHTLGNCLRYIIMKNPEVEFCGY
TTTHPSESKINLRIQTRGALPAVEPFQKGLNELLNVCQHVLVKFEASIKDYKAKKASKKEPTF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	NM_009087.2
RefSeq Size:	699 bp
RefSeq ORF:	402 bp
Locus ID:	20018
UniProt ID:	P97304
Cytogenetics:	5 G3
MW:	15.5 kDa
Gene Summary:	This gene encodes an RNA polymerase subunit that is a component of both the RNA polymerase I and RNA polymerase III complexes. RNA polymerase I is associated with transcription of pre-ribosomal RNAs, while RNA polymerase III is associated with transcription of small RNAs. Pseudogenes of this gene have been defined on chromosomes 4 and 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]