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Product datasheet for MC207778

Polr3h (NM_030229) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polr3h (NM_030229) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Polr3h
Synonyms:	5031409G22Rik; RPC8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207778 representing NM_030229 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTCGTGCTGGTGGAGATGGTGGACACCGTGCGCATACCCCCGTGGCAGTTTGAGCGGAAACTCAACG ATTCCATTGCTGAGGAGCTGAACAAGAAATTGGCCAACAAGGTCGTATACAACGTGGGACTCTGCATCTG TCTGTTTGATATCACCAAGCTGGAGGACGCCTATGTGTTCCCAGGGGATGGAGCATCCCACACCAAAGTC CATTTCCGCTACGTGGTGTTTCACCCCTTCCTGGATGAGATCCTCATTGGGAAGATCAAAGGCTGCAGCC CAGAGGGTGTGCACGTCTCTTTAGGGTTCTTTGATGACATTCTCATCCCCCCTGAGTCACTGCAGCAGCC TGCCAAGTTTGATGAAGCGGAGCAAGTGTGGGTGTGGGAGTACGAGACGGAGGAAGGAGCGCATGACCTG TACATGGACACTGGGGAGGAGATCCGCTTCAGGGTGGTGGATGAGAGCTTTGTGGACACATCCCCCACAG GACCCAGTTCCGCCGAGGCTGCCTCTTCAAGCGAGGAGCTGCCCAAGAAGGAAGCACCATATACACTTGT GGGATCTATCAGTGAGCCAGGACTAGGCCTTCTCTCCTGGTGGACGAGCAACTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_030229
Insert Size:	615 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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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:	NM_030229.4, NP_084505.2
RefSeq Size:	2514 bp
RefSeq ORF:	615 bp
Locus ID:	78929
UniProt ID:	Q9D2C6
Cytogenetics:	15 E1
Gene Summary:	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNA. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts induce type I interferon and NF- Kappa-B through the RIG-I pathway (By similarity). [UniProtKB/Swiss-Prot Function]