

Product datasheet for MC223937

Polrmt (NM_172551) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polrmt (NM_172551) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Polrmt
Synonyms:	1110018N15Rik; 4932416K13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223937 representing NM_172551 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCGGCGCTCCGGTGGACCCGAAGCGCAGCCGGGCTTGCCGGGTTCTGCGCTCCCCTGGGCCCCACC
GCCCCGCTTCGGAGGAAGGGACTTTTGGTGGCTTCTGCAGCTCAAGAAGGAGCTCCGCTGCCAGTCCCCG
TGAGCAACATGTCCTGAGGGAGTGGGGCCATGCTGAAGTCTGGAAGTCTGGAGGCTCGGGTGCAGCAG
CTCCGGGCAGAGGGCACACCTGAGATGAGGGTGAAGAAGGTGCAGGTGGACCGGCCTCCACAGGGCCACA
GCAGCCGCTGGGCGCAAAAGCTAGAGGCTGAGAAAAGGTGAAGCAGAGGCGCCAAAAGGAAGTTGACCA
GCAGAAGCAAGCCCTCACACAGGAGTTCTGGACCTTCACAAGGAGCCCAAGATCTGGAACAAGAAGCTG
GCTGGCTACCTGCAGCCAAGCAAGAAGGGAACACCCACGAACTCAGAGGAAAAGCAGCTGGCCCAGGCCC
TTCAGGCTGCTCTGGGAGGGCTCAGTCCCGTGAAGCAGAGGCCCTGGCCAGGAAGAAAGCCAAGGCGGT
GGAGGCGCAGATCCTGGTCTCCAGCAGAAGTTCTGGCTTTCTTTGAGTGCTGCGTCTGCACTGGCCAA
GTGCCCCCTCGCTCACCACGTGCTGGTCACTCACCATAACAACGGAGACAGACAGCAGGTGCTCAGCTGC
ACATGTACAACACCGTGATGCTTGGCTGGGCCCGAAGGGCTCCTTCAGAGAGTGGTCTATGTGTTCTCT
CATGCTGAAGGATGCTGGCCTCTCCCCAGACCTGTGCTCCTATGCAGCTGCACTCCAGTGCATGGGACGC
AGGGACCAGGATGTTTCGACCATCCAGAGGTGTCTGAAGCAGATGATGGAAGAAGGCTTCAGCCCCAGC
TGCTCTTCACTGACCTGGTCTTGAAGAGGAGGACCGGGCCGCGCTCCTGAGAGCAGTGGTCAAGGCTGA
GCCTGCCTTTCTGTCACCGCCACAGGCCCAAGCCAGTTAACACATCCACGCTGCTCAAGGACATATAT
AGCAAGGAGGGCCCTGTGTCTACCCAAAGCTGCACCTGCCCCTGGACACCCTGCAGGACCTCTTCTACC
AGCAGCTGCATGTGGAGCTGAGCTCCAGTGTCTGTGTCCAGTCGGTGGAGAAGGCTCCAGTAATGTCCAA
GGAGGTCAATTGAGGCGCGGAAGACCTGCAGGCCCTGCGGGAGCAGTGGGAAGTGGAGCTGTTGCGCGTG
CTGCGGGAGACAAAGGCCACTATGGGCCGCCAGGCCTATGAAGGCCAGCCACCCTCTACCCGTTCTGT
GCCTGCTGAGCGAAGGGGAGTTTGTGAGCATACTGATGCAGGTTCTGAAGGTCTGCTGCGCAGGGTGA
GCCCTTATCCAGTTGGCCATAACCTGGGCCTTCGGGTGTTAAACCGGCATTTGTTGAAGCAGAAGCAG



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GTCACTAACCATGTGCAGAAGCTGGGGCAGCGGTACTCGCAGTACCTCCAGCTGCTGGCGTCTGACACCC
AGGTGGCGCCCTGCCTTCCTCGGGAGTACTGGGAATCGCTGGGCCCACTGGAGGCCCTGCACAACAGCC
CTGGTCCGTGCCAGTGTCTACAGCTGGGCAAGCAATTGGCGGAGTGTGGTGCAGGCAGTGCAGATG
CCGCGCAGCCTGGCGGCCCGGCAGGGTGTCTCAGCGCTCCATCCCAGTGCTTTACCATGTGTATTCCTTCC
GAAGCTACCGCCAGGTGGGCATCCTTAAGCCTCACCTGCCTTCACGCACCTGTAGAGACGGCAGCAGA
GCCCACACTGACCTTCGAGACCACGGAAGTGCCCATGCTGTGCCCACTGCCCCTGGACGTCGCTGCAT
TCTGGTGCCTACTTGCTGAGCTCCACCAAACTAATGCGTGCCACGGAGGTACCACACAGCACCAGCGTC
TGCTGGAGCAATGCCCTCCTGCCAGCTGCACGGCCCCCTGGATGCGCTACACAGTTGGGGAAGTGGC
CTGGCGTGTAAACGGGCATCTGCTGGACTTGGTGTGCAGATCTTTAGAGACAAGGGCTGTATGCCCTTG
GGCGTGCTCCCCCGCGCTCAGAAGCACCGCGCGCCGGTATCAGTGCCACCCGGCTCCACACCAG
TGCACAAGTCTGAGCTGCGGAAGGAGTGGCGCTTGCCTCAAGGTGGCTCGAGAGATGCACAGTCTGCG
CAGCGAGGCCCTGTATCGCTGTGCTGGCACAGCACCTACGCCACCGTGTCTTCTGGTTGCCGACAAC
ATGGACTTCCGCGGCCGCACTTACCCCTGCCGCCACACTTCAACCACCTGGGCAGTGACCTAGCGCGTG
CGCTATTGGAGTTTGTGAGGGCCGGCCACTGGGACCACGTGGTCTGGACTGGCTTAAGATCCACCTGAT
CAACCTGACTGGCCTCAAGAAGGGAGACTCGCTGCGCATGCGCCTAGCCTTCGCAGATGAGGTGATGGAG
GAGATCTTGACTCTGCAGACAACCCCTTGACGGGCCGGAAGTGGTGGATGGAAGCTGATGAGCCCTGGC
AGACCCTGGCCTGCTGCATGGAGGTGGCACACGAGTCCGGTCCCCAGACCCTGTGCTACATTTCCCA
CCTGCCAGTTACCAGGATGGCTCCTGCAATGGCTTACAGCATTACGCCGCACTAGGCCGAGACAGTGTG
GGTGTGCTCCTCAGTCAACCTAACGCCGTCGACCTGCCCAAGATGTGTACAGGGAGGTGGCAACACAGG
TGGAGGAGTTCGCCCAGCAGGACGCCAAGGAGGGTCTACGGGTGGCTCAGGTGCTGGAGGGCTTCATCAG
CCGCAAGTGGTGAAGCAGACAGTGTACGGTGGTGTATGGGGTACACGCTACGGAGGGCGCCTGCAG
ATAGAGAAGCGCCTGCGCGAAGTACAGGAGTGTTCACGACGACGCGGGCCATTGACACTGGCTGACTGA
GAGTGCCAACTCATCTCTCACGCCGGATGGCCTGTGGAGTGGGTACGCCCCCTGGGCATCCCCATCATA
CAGCCCTATCACCGCAGTCCAAGGTCCAGGTAAAGGTGGCCTCCAGAGCATCACCTCACCAGTCTCGG
TAGATGAGAGTCAGAAGCCCAACTCTGAAGCAGAAAAATGGCTTCCCGCCCACTTATCCACTCCCT
GGACTCCTCCACATGATGCTGACCGCCCTACACTGCTACAGGAAGGGCCTGATTTTCTGCTCCGTGCAC
GACTGCTTCTGGACACATGCCGCTGACATCCCCACGATGAACGAGGTATGCCGCGAGCAATTCTGTCGCC
TGCACAGCCAGCCATCCTGGAAGACCTGGCCAAGTTCCTGAAGAAGCGTTTCTGCTCCGTGTCCAGCAT
CAAGTCCCTAAAGTCTCGGAGCGCGCCTGGTACCAAGCTGCAGGAGACACTACAGTCTTGGCCAAAG
ACAGGTACCTTCGATCTAGGACAGGTGATAAGATCCACCTACTTTTTCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_172551

Insert Size:

3624 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).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_172551.3, NP_766139.2</u>
RefSeq Size:	3762 bp
RefSeq ORF:	3624 bp
Locus ID:	216151
UniProt ID:	<u>Q8BKF1</u>
Cytogenetics:	10 C1
Gene Summary:	DNA-dependent RNA polymerase catalyzes the transcription of mitochondrial DNA into RNA using the four ribonucleoside triphosphates as substrates.[UniProtKB/Swiss-Prot Function]