

Product datasheet for **MC216751**

Pramel7 (NM_178250) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pramel7 (NM_178250) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pramel7
Synonyms:	AA675346; C81180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216751 representing NM_178250
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCAGTGCCCCACCCACACTCCAGGATCAGGCTTTCAGGAGCCTGGTGAGGAATGAAGTATTGACCG
 TCTCTGATGCGGAGTGCCTAATAAGGGAATTCTTCCACCTCTGTTCAAGGAGGCCAGCACTCAAAAAA
 ACCAAAGACAATTATGATCCTGGTGAGCACTGGCCCTACCCTTGCCTTCATGTTGGGTTGTTGATTGAT
 AAACCAACTTTTTCAGATCTTCCAGGCTATACTGGATGGAGTAGACACATGGCTGAAACGGAAGTATCGCC
 CCAGGATGGGAAGGCTTAAAAAGGTTGACTTCAGGGATGCACAGCATCATGCTTCCTTAGATATGCAGGA
 TGAGAGAGAGGGTAGAGACTACTTAGTAGGAACTTTGCCTAAGAAGCAAATAGTGAGGAGGACCACTCAAGA
 ACAAGGAAAGAGCGTTTGAAGCTGTTCCATGACCTTTCCTTTATGTCTTCTGTCATGAGGATAAACACC
 AAACACTGTTATTGGAGTGGGCAAAGGAAAGGACGAGTTTCTGCATCTGTGCTGTGAGAAGTTGGAGAT
 AGGAGCAGTAGAAGTGTCTAAGGTCAGGAATGTATTAATTTCTACAGCCAGAGCTCATCAAGGAGTTG
 AAAGTGAATACAGTGGGGAATCTGTCCAACTGGCAAAATTCGTACCTTTCATTAGAAAGATGAGAAACC
 TTCAGAACTCATGCTAGTACGCACCTTTGGAACAAGGACTTTCACTCAAGAGGAGAAGCAGAACATCAG
 CAAGATCATTTCTCTGTTCTGCAAACTCAGCTGTCTCCGGCATCTCACTATTGATGATGTCTATTTTCTC
 ACAGATCAGATGAAAGAGTTGCTCAGGTGTCTGGAGGCCCATTTGGTGTCCCTCAAGATCACCTGTGCC
 AGCTCTCTCAGTCAGACTTGGAGTCATTGCCCAGCGCTGGAACACAGTCAGCTTAAACATCTATGCTT
 GAGAGGTGTCACCTTAACTAACCTAGATGTCACGCCTCTAAGAGATTTCTTAAAGCGTGTTCAGCTAAC
 CTGCAGACTCTGGACTTAGAAGACTGTAGGATGGATGATTCTCACTTCAGGACCTTCTTCTGCCCTGA
 TCAAATGCACCCAGCTCACTAGCATCAATTTGTATGACAATGACATCTCCGAGGATGTCTGGAGAACTT
 TTGACCGCACTACCAATCTGAGCCAGCTGACCACAGAAATGTATCCTGCTCCATCAGAGGTCTATAAT
 GAGTCCAACTATGTTATAGTAGAGATATTTATTAGATTGTTCTGAACTTATGAACAACTCATGGAAG
 TCAGGCAGGCCAATTCAGTGTGCTTTGGTTCTCTCTGTTATGACTGTGATAATCGTTATTTATATGA
 AGATGATGGGGATGTCACACTTTGTTGTGCCAGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_178250
- Insert Size:** 1440 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_178250.2</u> , <u>NP_839981.1</u>
RefSeq Size:	1860 bp
RefSeq ORF:	1440 bp
Locus ID:	347712
UniProt ID:	<u>Q810Y8</u>
Cytogenetics:	2 D
Gene Summary:	Promotes maintenance and self-renewal of pluripotent embryonic stem cells (ESCs), downstream of LIF/STAT3 (PubMed:21425410). Maintains the pluripotency state of ESCs by repressing DNA methylation through the regulation of UHRF1 stability. Mediates the proteasomal degradation of UHRF1. Is required for the establishment of the blastocyst (PubMed:28604677).[UniProtKB/Swiss-Prot Function]