

Product datasheet for **MC218694**

Pramel7 (BC052825) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pramel7 (BC052825) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pramel7
Synonyms: AA675346; C81180
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC052825
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCCTGGTGGAGCACTGGCCCTACCCTTGCCTTCATGTTGGGTTGTTGATTGATAAACCCAACCTTC
AGATCTCCAGGCTATACTGGATGGAGTAGACACATGGCTGAAACGGAAGTATCGCCCCAGGATGGGAAG
GCTTAAAAGGTTGGCTTCAGGGATGCACAGCATCATGCTTCCTTAGATATGCAGGATGAGAGAGAGGGT
AGAGACTACTTAGTAGGAACCTTGCCTAAGAAGCAAAATAGTGGAGGACCACTCAAGAACAAGGAAAGAGC
GTTTGAAGCTGTTCCATGACCTTTCCTTTATGCTTCTCTGCATGAGGATAAACACCAAACACTGTTATT
GGAGTGGGCAAAGGAAAGGACGAGTTCCTGCATCTGTGCTGTGAGAAGTTGGAGATAGGAGCAGTAGAA
GTGTCTAAGGTCAGGAATGTATTAATAATTTCTACAGCCAGAGCTCATCAAGGAGTTGAAACTGAATACAG
TGGGGAATCTGTCCAACCTGGCAAAATTCGTACCTTTCATTAGAAAAGATGAGAAACCTTCAGAAACTCAT
GCTAGTACGCACCTTTGGAACAAGGACTTTCACCTCAAGAGGAGAAGCAGAACATCAGCAAGATCATTCT
CTGTTCTGCAAACTCAGCTGTCTCCGGCATCTCACTATTGATGATGTCTATTTTCTCACAGATCAGATGA
AAGAGTTGCTCAGGTGTCTGGAGGCCCATTTGGTGTCCCTCAAGATCACCTGTGCCAGCTCTCTCAGTC
AGACTTGGAGTCATTTGCCAGCGCTGGAACCTACAGTCAGCTTAAACATCTATGCTTGGAGGTTGTCAC
TTAACTAACCTAGATGTCACGCCTTAAGAGATTTCTTAAAGCGTGTTCAGCTAACCTGCAGACTCTGG
ACTTAGAAGACTGTAGGATGGATGATTCTCACTTCAGGACCTTCTCCTGCCCTGATCAATGCACCCA
GCTCACTAGCATCAATTTGTATGACAAATGACATCTCCGAGGATGTCCTGGAGAACTTTTTGCACCGCACT
ACCAATCTGAGCCAGCTGACCACAGAAATGTATCCTGCTCCATCAGAGGTCTATAATGAGTCCAACATG
TTATAGTAGAGATATTTATTCAGATTTGTTCTGAACCTTATGAACAACTCATGGAAGTCAGGAGGCCAA
TTCAGTGTCTTTGGTTCCTTCTCTGTTATGACTGTGATAATCGTTATTTATATGAAGATGATGGGGAT
GTCACACTTTGTTGTGCCAGGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	BC052825
Insert Size:	1287 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:	<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:	<u>BC052825</u> , <u>AAH52825</u>
RefSeq Size:	1897 bp
RefSeq ORF:	1286 bp
Locus ID:	347712
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]