

Product datasheet for **MG206832**

Pramel7 (BC052825) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pramel7 (BC052825) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pramel7
Synonyms:	AA675346; C81180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206832 representing BC052825 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCCTGGTGGAGCACTGGCCCTACCTTGCCTTCATGTTGGGTTGTTGATTGATAAACCCAACCTTTC
AGATCTTCCAGGCTATACTGGATGGAGTAGACACATGGCTGAAACGGAAGTATCGCCCCAGGATGGGAAG
GCTTAAAAAGGTTGGCTTCAGGGATGCACAGCATCATGCTTCCTTAGATATGCAGGATGAGAGAGAGGGT
AGAGACTACTTAGTAGGAACTTTCCTAAGAAGCAAATAGTGGAGGACCACTCAAGAACAAGGAAAGAGC
GTTTGAAGCTGTTCCATGACCTTTCCTTTATGTCTTCTCTGCATGAGGATAAACACCAAACTGTTATT
GGAGTGGGCAAAGGAAAGGACGAGTTTCCTGCATCTGTGCTGTGAGAAGTTGGAGATAGGAGCAGTAGAA
GTGTCTAAGGTCAGGAATGTATTAATAATTTCTACAGCCAGAGCTCATCAAGGAGTTGAACTGAATACAG
TGGGGAATCTGTCCAACTGGCAAAATTCGTACCTTTCATTAGAAAGATGAGAAACCTTCAGAACTCAT
GCTAGTACGCACCTTTGGAACAAGGACTTTCCTCAAGAGGAGAAGCAGAACATCAGCAAGATCATTTCT
CTGTTCTGCAAACTCAGCTGTCTCCGGCATCTCACTATTGATGATGTCTATTTTCTCACAGATCAGATGA
AAGAGTTGCTCAGGTGTCTGGAGGCCCATTTGGTGTCCCTCAAGATCACCTGTGCCAGCTCTCTCAGTC
AGACTTGGAGTCATTTGCCAGCGCTGGAACACAGTCAGCTTAAACATCTATGCTTGAGAGGTGTCACT
TTAACTAACCTAGATGTCACGCCCTAAGAGATTTCTTAAAGCGTGTTCAGCTAACCTGCAGACTCTGG
ACTTAGAAGACTGTAGGATGGATGATTCTCACTTCAGGACCCTTCTCCTGCCCTGATCAAAATGCACCCA
GCTCACTAGCATCAATTTGTATGACAATGACATCTCCGAGGATGTCTGGAGAATTTTTGCACCGCACT
ACCAATCTGAGCCAGCTGACCACAGAAATGTATCCTGCTCCATCAGAGGTCTATAATGAGTCCAATATG
TTATAGTAGAGATATTTATTCAGATTTGTTCTGAACCTTATGAACAACTCATGGAAGTCAGGCAGGCCAA
TTCAGTGTGCTTTGGTTCTTCTCTGTTATGACTGTGATAATCGTTATTTATATGAAGATGATGGGGAT
GTCACACTTTGTTGTGCCAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206832 representing BC052825
 Red=Cloning site Green=Tags(s)

MILVEHWPYPCLHVGLLIDKPNFQIFQAILDGVDTWLKRKYRPRMGRLKKVGFDRDAQHHASLDMQDEREG
 RDYLVGTLPPKQIVEDHSRTRKERLKLFDLSFMSSLHEDKHQTLLEWAKERTSFLHLCCEKLEIGAVE
 VSKVRNVLKFLQPELIKELKLVGNLSKLAKFVFFIRKMRNLQKMLVRTFGTRTFTQEEKQNISKIIS
 LFCCKLSCLRHLTIDDVYFLTDQMKELLRCLEAPLVSLKITLCSQSDLESFAQRWNYSQKHLCLRGVT
 LTNLDVTPRLRDLKRVAAANLQTLDEDCRMDDSHFRTLPPALIKCTQLTSINLYDNDISEDVLENFLHRT
 TNLSQLTTEMYPAPSEVYNESNYVIVEIFIQICSELMNKLMEVRQANSVCFGSSSCYDCDNRYLYEDDGD
 VTLCCLCQE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC052825

ORF Size: 1284 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:

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: [BC052825](#), [AAH52825](#)

RefSeq Size: 1897 bp

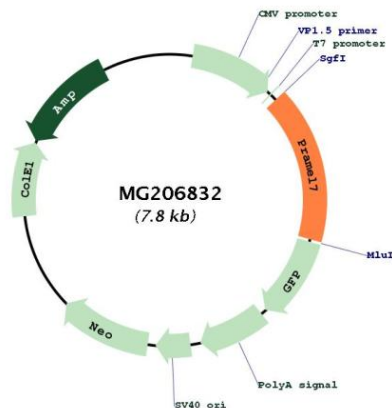
RefSeq ORF: 1286 bp

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]

Product images:



Circular map for MG206832