

Product datasheet for **RR205650**

Pramel6 (NM_001109342) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pramel6 (NM_001109342) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pramel6
Synonyms:	RGD1565946
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205650 representing NM_001109342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTTGACTCCCCACCACTCTTCCACTTGGCAAGACACACTCTACTGATGGAGGAAGCTTTAG
 CCATTTCTGCTCTAGAGGAAGTGCCTGTCATCTATTCCAGAGTTGTTCAAGGGGGCCTTCACTGACAG
 GCATACAAACGTCCTGACTGCAATGGTGTCTATTTGGCCTTTACCATGCCTTCTGTAGGAACCTGTTG
 GAGGAGCCTCACCTGGAGACTTTGAAAGCACTGCTTATGGGTTAAATGTCCAGGTGACACAGACGTGTA
 ATTCCAGGTGCAAACTCAGAGTTCTTGATTGAGGAGGAACATGCACCATGAGTTCTGGGCATGAAGGC
 TGTCTCCCATGAAGATACTGCTCACTACAGATCATGGCACAGAAACAGCCCATGGAGACCTGCTCTGAC
 CCTGAGAGGGAGAATCCTTTAAGGTGGTAACCGATTTTGAAGTCAAGGATGCCAGTTTAGATGAATGGA
 CCATATACTTGTGAGTGGGTCGAGCAGAGAAAATCATCCATTCATCTATGCTGTAGGAAGCTGCACGT
 TTGGGATTCACCATCTCTACTGTCATAAAGATCTTGAATTCGTGGATTAAACTGTATCCTGGAGCTA
 CGGCTGAGTCATTGGAGGTTGAGTTCTGGTAGACCTTGTTCCTTACCTGGAGCAGATGAATAATCTTC
 ACACCTCATGCTAGAGGAATTAAGAATTCCTTAAATTTTACTGCTTGGGAAGAAGAGGAAGATGAGTG
 GCAAGGCTCATTTCCCTTTCAGTTCTCCAATTTCACTGTCTTCAAGATCTCTATTTGAATGATATCTAC
 TTTATAGAAGACTCCCTTGAGGAATGGCTCAGTCGCTGATGACCCCTTTGGAGACCTTGTCCATTACTG
 ATTGCCCTCGGCTCTTACAGTCAGACTTAGAATGCCTGCCCGTTGTTCGAATATTTTAAAGCTCAAGCA
 TCTGCACATGAATGCTATCTTACTATCTGATGCAGTCTCGGAGCTTCTGGGCTCATCTTGAGAAAGTC
 ACAAGTACCCTTCAAATCTGGAAGTGGAGCAGTGTGAATGAGGAGCTCTCATTCCAAGCTCTCTTGC
 CTGCCCTGAGCAAATGCTCCAGCTCCTCAAAGTCAACTTCTATCATAATGATATCTCTGCTGCTGCTCCT
 GAAGAGGCTTCTATGTCACACAGCAACCTGAGCCAACCTACCCAGGAGCTGTACCTGCCCTCTGGAA
 TGCTATGAGGTAACAACACAATACTTAAAGACAGATTTAAGAACTTTGTCCAGAGCTGCTGTGCTTCC
 TTAGGACCAAAAGGTTGCCCAAGAAAGTCTCCTTTGCTACAAATGCCTGCTCGCAGTGTTCGATTCCTT
 TTAATAATTATAAACCAGGAGCCCAACGATTCCTGTTACTATTATAAACCAGGAGACCAAGATTGCCTT
 TGTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205650 representing NM_001109342
 Red=Cloning site Green=Tags(s)

MSLDSPPTLFHLARHTLLMEEALAI SALEELPCHLFPELFGAFTDRHTNVL TAMVSIWPLPCLPVGTL
 EEPHLETLKALLDGLNVQVTQTCNSRCKLRVLDLRRNMHHEFWGMKAVSHEDNCSLQIMAQKQPMETCPD
 PERENPFKVVTDFELRDASLDEWTIYLLQWVEQRKSSIHLCCKRLHVWDSFPSTVIKILEFVDLNCILEL
 RLSHWRFEFLVDLPYLEQMNNLHTLMLEGIKNSLNFTAWEEEEDEWQGSFPFQFSNFSCLQNLVNDIY
 FIEDSLEEWL SCLMTPLETLSITDCPRLLQSDLECLPRCSNIFLKLHLMNAILLSDAVSELPGLILEKV
 TSTLQILELEQCGMRD SHFQALLPALSKCSQLLKVNFYHNDISLPVLKRLLCHTANLSQLTQELYPAPLE
 CYEGNNTILKDRFKKLCPELLCFLRTRKRLPKKVSFATNACSQC SHSFYYYYNQEPNDSCYNNQETKDCL
 CQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001109342

ORF Size: 1476 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.

RefSeq: [NM_001109342.1](#), [NP_001102812.1](#)

RefSeq Size: 1849 bp

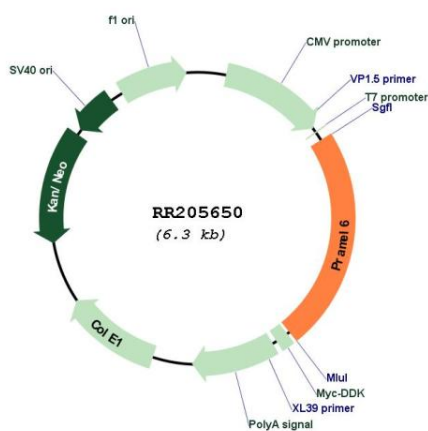
RefSeq ORF: 1479 bp

Locus ID: 502648

Cytogenetics: 3q24

MW: 57.3 kDa

Product images:



Circular map for RR205650