

Product datasheet for **RR214628**

Pkmyt1 (NM_001105766) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pkmyt1 (NM_001105766) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Pkmyt1 |
| Synonyms: | RGD1305434 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR214628 representing NM_001105766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCATGCCCACTGAGGGCACCCACCACCCTAAGTGGTACCCCATCCCAGTTCAGCTTACTTCC
 GACATGCAGAACCCTGGTTTCTCCCTCAAAGGCCTGGGGCCTCAGCCGAGCCTTCCACCTCGGCCCC
 TGCCAAGGGCAGCATCCCTGTCAGCCGTCTATCCCCCTCGGACCCCGGCTGGCAGCAGCCCAAGCC
 CGGAGGGTGTCTTCTGTGCGAGACCTCAGAGACGTTGCAGAGCCCTGGGTACGACCCGAGCCGGCCAG
 AGTCTTCTTTCAGCAGAATTTCCAGAGGCTCAGCCGACTGGGTCATGGCTCCTATGGAGAAGTCTTCAA
 GGTGCGCTCCAAGGAAGATGGGCGACTCTATGCTGTTAAGCGCTCCATGTCACCATTCCGAGGCCCAAA
 GATCGGACTCGTAACTGGCTGAGGTAGGCGGCCACGAGAAGTGGGCGCAGCCACATTGCGTGAGAC
 TGGAGCGGGCCTGGGAGGAGGTGGCATCTATACCTGCAGACAGAGCTCTGGGGCCAGCCTGCAGCA
 AACTGTGAAGCCTGGGGGCCAGCCTGCCAGAGGCCAGGTCTGGGGCTACTTGGGGACTCTTCTGTG
 GCTCTGGACCATCTACACAGTCAAGGCCTAGTTACCTGGATGTTAAGCCTGCCAACATCTTCTGGGCC
 CCCGGGGCCGCTGCAAGCTGGGCGACTTTGGACTACTGGTGGAGCTCGGTTACGCCGGTGTGGCGAGGC
 CCAGGAGGGAGATCCTCGCTACATGGCTCCAGAAGTGTGCGGGGCTCCTATGGGACAGCTGCAGATGTG
 TTCAGTCTGGGTCTACCATCTTGAAGTGGCCTGCAATATGGAAGTGGCCACGGTGGGAGGGATGGC
 AGCAGCTGCGCCAGGGATACTTGGCCCGGAGTTCAGTCTGGTCTGTCTTCTGAGCTGCGTTCTGTCTCT
 CACCATGATGTTGGAGCCTGACCCAGCTTCGAGCCACGGCTGAGGTCCTGTGGCCTTGGCCATGCTG
 AGGCAGCCACGTCCTGGAATGTTCTGTGGTATATGGTGCAGAAGCCCTGAGTCGAGGTTGGGCCCTGT
 GGCAGGCTCTGGTCACTCTGCTCTGGCTCTGGCATGGCTGGTTCATCTGCCAGTGGTGGCCAGCC
 TCCAGGCCACCCAGCCACACCACCTGGCTCTCCACCATGCAGTCCCTCCTGGACAGCACCTCTCCAGC
 AACTGGGATGATGACAGCATAGGCCCTCACTTTCCCGAGAGCCATCCTGTCCCGGATCACGAGGAGAA
 CCTCTACCCCTCGGGCAGGTACACACCAAGGGATGTCCTGGACCTAACTGATATGGACTCAGAGCCTCC
 AAGAGTCCCTGCCACCTTTGAGCCAAGGAATCTCTCAGCCTGTTTGAGGACTCCCTAGACCCAGCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR214628 representing NM_001105766
 Red=Cloning site Green=Tags(s)

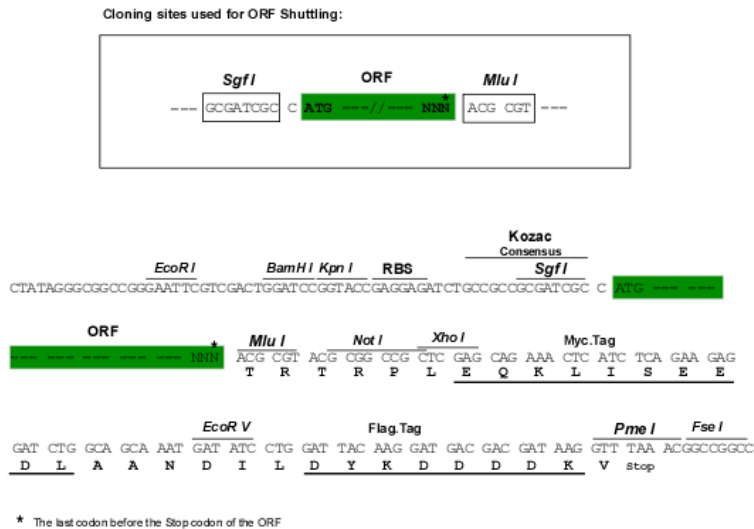
MSMPTEGTPPPLSGTPIPVPAYFRHAEPGFLKRPGLSRSLPPRPPAKGSIPVSRLFPPRTPGWQQPQP
 RRVSFLCETSETLQSPGYDPSRPESFFQNFQRLSRLGHGSYGEVFKVRSKEDGRLYAVKRSMSPFRGPK
 DRTRKLAEVGGHEKVGQHPHCVRLERAWEEGGILYLQTELCGPSLQQHCEAWGASLPEAQVWGYLRDILL
 ALDHLHSQGLVHLDVKPANIFLGPGRCKLGDGFLVELGSAGAGEAQEGDPRYMAPELLRGSYGTADV
 FSLGLTILEVACNMELPHGGEGWQQLRQGYLPPEFTAGLSSELRSVLTMMLEPDPQLRATAEVLALPML
 RQPRPWNVLYWMAAEALSRGWALWQALVTLLCWLWHGLVHPASWLQPPGPPATPPGSPPCSPLLDSTLSS
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

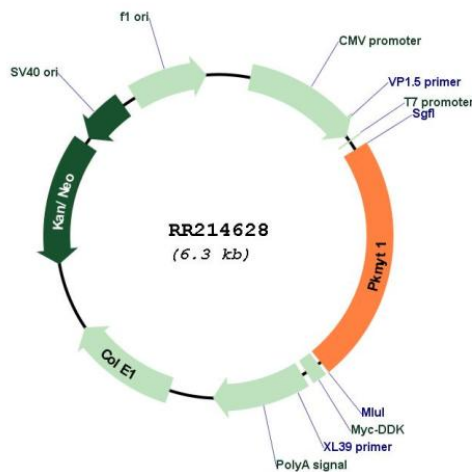
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105766

ORF Size: 1470 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_001105766.1](#), [NP_001099236.1](#)

RefSeq Size: 1964 bp

RefSeq ORF: 1473 bp

Locus ID: 287101

Cytogenetics: 10q12

MW: 54.1 kDa