

Product datasheet for **RR200003**

Pnkd (NM_001134750) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnkd (NM_001134750) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnkd
Synonyms:	Mr-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200003 representing NM_001134750 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGTGGTAGCTGCTACGGCGCTGAAGGGCCGGGGGCGAGAAATGCCCGCTCCTCCGGGGGA
TCCTCTCTGGAGCGACAGCTAACAAGGCTTCCCAGAACAGGACCAGAGCACTGCAGAGCCACAGCTCACC
AGAATGCAAGGAGGAGCCTGAGCCCTCTCCCCTGAGCTAGAATACATTCAGAAAGAGGGCAAGAAC
CCCATGAAAGCTGTGGGACTAGCCTGGTACAGCCTGTACACCCGGACCTGGCTCGGGTACCTCTTCTACC
GACAGCAGCTCCGGAGGGCTCGGAATCGCTTTCCAAAGGCCACTCCAAAACCTCAGCCCAGACTCTTCAA
TGGAGTGAAGGTGCTTCCATCCCTGCTCTCGGACAACCTACAGCTACCTCATCATCGACACCCAGGCT
GGGCTGGCAGTGGCTGTGGACCCCTCAGACCCGAGGGCTGTGCAGGCTTCTATTGAAAAGGAAAGAGTTA
ACTTGGTTGCCATTCTCTGTACCCACAAGCACTGGGACCACAGTGGAGGAAACCGTGACCTCAGCCGGCG
GCACAGGGACTGTCGAGTGTATGGGAGCCCTCAGGATGGTATCCCTACCTACCCATCCCTGTGTCAT
CAAGATGTGGTCAGCGTGGGACGACTTCAGATTCGAGCCCTGGTACCCCTGGCCACACCCAAGGCCATC
TGGTCTACCTGCTGGATGGGAGCCCTACAAGGGTCCCTCCTGCCTTTCTCAGGGGACCTGCTCTTCTCT
CTCTGGCTGTGGACGGACCTTCGAAGGCACAGCAGAGACCATGCTGAGCTCACTGGACACTGTGTTGGAC
CTGGGCGATGACACCCTGCTGTGGCCTGGACATGAATATGCAGAAGAGAACCTGGGCTTTGCGGGTGTGG
TGGAGCCCAGAACGTGGCTCGTGAGAGGAAGATGCAGTGGGTACAGAGGCAACGGATGGAACGCAAGAG
CACATGCCATCCACCCTGGGAGAGGAGCGCCCTACAACCCATTCTGAGAACCCTGCTGGCACTA
CAGGAGGCTCTGGGGCCCGGGCTGGCCCCACCAGTGATGATGGCTGCTCCCGGGCCAGCTCCTGGAGG
AGCTGCGCCGGCTGAAGGACATGCATAAGAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200003 representing NM_001134750
 Red=Cloning site Green=Tags(s)

MAAVVAATALKGRGARNARVLRGILSGATANKASQNRTRALQSHSSPECKEEPEPLSPELEYIPRKRKGN
 PMKAVGLAWYSLYTRTWLGYLFYRQQLRRARNRFPKGHSKTQPRLFNGVKVLPPIVLSDNYSYLIIDTQA
 GLAVAVDPSPRAVQASIEKERNLVAIILCTHKHWDHSGGNRDLRRHRDCRVYGSPODGIPLYLTHPLCH
 QDVVSVGRLQIRALATPGHTQGHLYLLDGEPIYKGPSCLFSGDLLFLSGCGRTFEGTAETMLSSLDTVLD
 LGDDTLWPGEYAEENLGFAGVVEPENVARERKMQWVQRQRMERKSTCPSTLGEERAYNPFLRTHCLAL
 QEALGPGPGPSTDDGCSRAQLLEELRRLKDMHKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

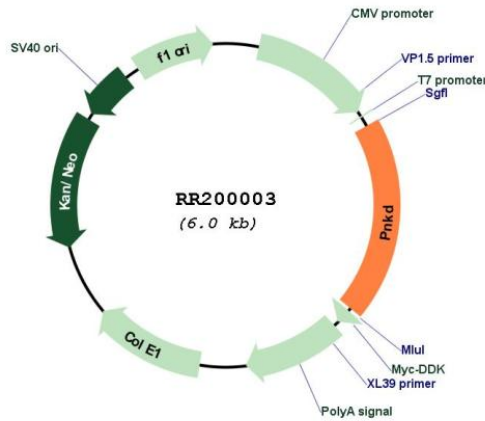
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134750

ORF Size:	1155 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:	<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:	NM_001134750.1 , NP_001128222.1
RefSeq Size:	2902 bp
RefSeq ORF:	1158 bp
Locus ID:	100188944
Cytogenetics:	9q33
MW:	42.9 kDa