

Product datasheet for **RR210111**

Pim1 (NM_017034) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pim1 (NM_017034) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pim1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210111 representing NM_017034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCTTGTCGAAGATCAACTCCCTGGCCCACCTGCGCGCAGCCCTTGCAACGACCTGCACGCCAACA
AGCTGGCGCCGGCAAAGAGAAGGAGCCCTGGAGTCGAGTACCAGGTGGGCCCGCTGTTGGGCAGCGG
TGGCTTCGGCTCGGTCTACTCGGCATCCGCGTCGCCGACAATTGCCGGTGGCCATCAAGCACGTGGAG
AAGGACCGGATTTCCGACTGGGGGAACTGCCAACGGCACCCGAGTGCCCATGGAAGTGGTCCTGCTGA
AGAAGGTGAGCTCGGGCTTCTCGGGCGTATTAGACTTCTGGACTGGTTCGAGAGGCCCGATAGTTTCGT
GCTGATCCTGGAGAGGCCGAACCCGTGCAAGACCTTTCGACTTCATCACCGAGCGAGGAGCCCTCCAG
GAGGAGCTGGCCCGGAGCTTCTTCTGGCAGGTGCTGGAGGCCGTGCGGCATTGCCACAACCTGCGGGGTT
TCCACCGCGACATCAAGGACGAGAATCTTAATCGACCTGAACCGGGCGAACTCAAACCTATCGACTT
CGGGTTCGGGGCGCTGCTCAAGGACACAGTCTACACGGACTTTGACGGAAACCGAGGTACAGTCTCTCA
GAGTGGATTCGCTACCATCGCTACCACGGCAGGTGGCTGCTGTTGGTCCCTGGGGATCCTGCTCTATG
ACATGGTCTGCGGAGATTTCCATTTGAGCAGCAGCAAGAGATCGTCAAGGGCCAAGTGTACTTTAGGCA
AAGGGTCTCTTCAAGATGTCAACATCTTATTAGATGGTGGCTGTCCCTGAGACCATCGGACCGGCCCTCC
TTTGAAGAAATCCAGAACCATCCGTGGATGCAGGATGTTCTCCTGCCCCAGGCCACCGCCGAGATTATC
TGACAGCCTGTACCATCACCCAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210111 representing NM_017034
 Red=Cloning site Green=Tags(s)

MLLSKINSLAHLRAAPCNDLHANKLAPGKEKEPLESQYQVGPLLGSGGFGSVYSGIRVADNLPVAIKHVE
 KDRISDWGELPNGTRVPMEVLLKVKVSSGFGVIRLLDWFERPDSFVILIRPEPVQDLDFDITERGALQ
 EELARSFFWQVLEAVRHCHNCGVLHRDIKDENILIDLNRGELKLIDFGSGALLKDTVYTFDGTTRVYSPP
 EWIRYHRVYHGRSAAVWSLGILLYDMVCGDIPFEHDEEIVKGQVYFRQVRSSECQHLIRWCLSLRPSDRPS
 FEEIQNHPWMQDVLLPQATAEIHLSLSPSPSK

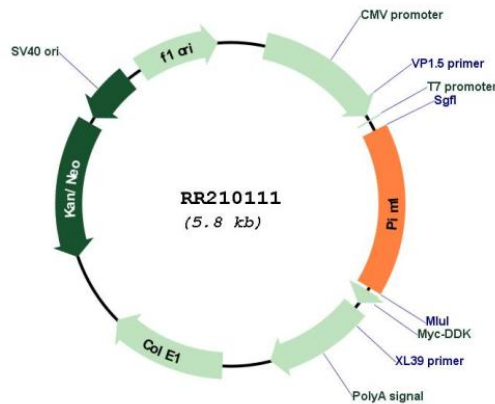
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017034

ORF Size:	939 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_017034.1 , NP_058730.1
RefSeq Size:	1302 bp
RefSeq ORF:	942 bp
Locus ID:	24649
UniProt ID:	P26794
Cytogenetics:	20p12
MW:	35.6 kDa
Gene Summary:	serine threonine protein kinase; 2.8 kb transcript is detected in somatic cells and a 2.3 kb transcript using an alternate polyadenylation signal is expressed in testis [RGD, Feb 2006]