

Product datasheet for RR212497

Pdik1l (NM_001107984) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdik1l (NM_001107984) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdik1l
Synonyms:	RGD1307476; Stk35l2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212497 representing NM_001107984 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGT GAGTAGCCAGCCAAAGTACGATCTAATACGGGAGGTAGGCCGAGGTAGTTACGGTGTGTGTATG
AAGCAGTCATCAGAAAGACCTCTGCGAGAGTAGCCGTGAAGAAAATTCGATGCCACGCACCCGAAAATGT
TGAAGTAGCCCTTCGAGAGTTCTGGGCACTAAGCAGTATCAAGAGCCAACACCCAATGTGATTCACCTTG
GAAGAGTGCATCCTACAGAAAGATGGGATGGTGCAAAAGATGTCCACGGCTCTAATTCTCCCTTTATT
TACAGCTTGTAGAGACTTCATTAAGGAGAGATCGCCTTTGACCCAGGAGCGCCTACTATTTGTGGTT
TGTGATGGATTTTGTGATGGAGGAGATATGAATGAGTATCTGTTGTCCAGGAAACCAATCGAAAGACT
AACACCAGCTTCATGCTTCAGCTCAGCAGTGCTCTGGCCTTTTGCACAAAAACCAAGATAATCCACCGAG
ACCTGAAGCCTGATAACATCCTGATTTCTCAGAGCAGATTGGATACCAGTGACTTGAACCCACACTGAA
AGTGGCTGATTTTGGCCTAAGTAAAGTTTGCTCAGCATCTGGGCAGAACCAGAAAGAACTGTCAGTGTA
ACAAGTGTTCCTTTCCACGGCATGTGGAACGGACTTACATGGCTCCGGAAGTATGGGAAGGACACT
ACACGGCGAAAGCTGACATTTTGTCTGGGAATTATCATCTGGGCCATGCTGGAGAGGATTACCTTCAT
AGACACAGAGACGAAGAAGGAGCTCTGGGGAGTTACGTAAGCAGGGGACCGAAATCGTGCCTGTCGGG
GAGGCACTTCTGAAAAACCCAAAATGGAACCTTCTCATCCTGTGAAGAAAAAGTCTATGAATGGCGAA
TGAAACAAGTATAAGGAAATGCTGGCCGAAACCTCAGGATCGCCGGATGCTTTTGAAGTAACT
CAGATTAGTCCAAATTGCATTTAAAGACAGCAGCTGGGAAACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212497 representing NM_001107984
 Red=Cloning site Green=Tags(s)

MVSSQPKYDLIREVGRGSYGVVYEAVIRKTSARVAVKKIRCHAPENVLALREFWALSSIKSQHPNVIHL
 EECILQKQDGMVQKMSHGSNSL YLQLVETSLKGEIAFDPRSAYLWFVMDFCDDGDMNEYLLSRKPNRKT
 NTSFMLQLSSALAFHLKNQI IHRDLKPDNILISQSRLDTSLEPTLKVADFGLSKVCSASGQNPEEPVSV
 NKCFLLSTACGDFYMAPEVWEGHYTAKADIFALGIIIWAMLERITFIDTETKKELLSYVKQGTEI V PVG
 EALLENPKMELLIPVKKKSMNGRMKQLIKEMLAANPQDRPDAFELELRVQIAFKDSSWET

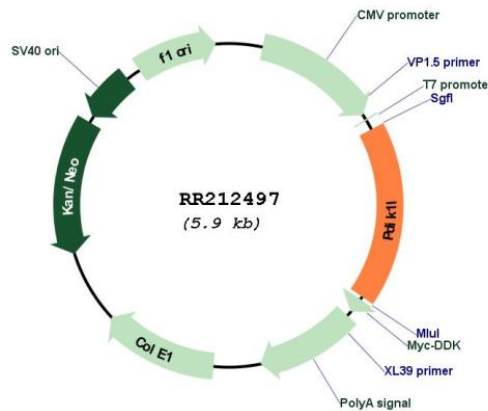
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107984

ORF Size: 1023 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_001107984.1 , NP_001101454.1
RefSeq Size:	4489 bp
RefSeq ORF:	1026 bp
Locus ID:	313609
Cytogenetics:	5q36
MW:	38.5 kDa