

Product datasheet for **MR205110**

Pdik1l (NM_001163794) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdik1l (NM_001163794) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdik1l
Synonyms:	BC027088; stk3512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205110 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAGTAGCCAGCCAAAGTACGATCTAATACGGGAGGTAGGCCGAGGTAGTTACGGTGTGTATG
AAGCAGTCATCAGAAAGACCTCTGCGAGAGTAGCCGTGAAGAAAATTCGATGCCACGCGCCTGAAAAATGT
TGAAGTAGCTCTCGAGAGTTCTGGGCACTAAGCAGTATCAAGAGCCAACACCCAAATGTGATTCACCTTG
GAAGAGTGCATCCTACAGAAGGATGGGATGGTGCAAAAGATGTCCACGGCTCTAATCTCCCTTTATT
TACAGCTTGTAGAGACTTCATTAAGGAGAAATTGCCTTTGATCCAGAAAGCGCCTATTATTTGTGGTT
TGTGATGGATTTTGTGACGGAGGAGATATGAATGAGTACCTGTTGTCCAGGAAACCAATCGAAAGACT
AACACCAGCTTACGCTCAGCTCAGCAGTGTCTGGCCTTCTTGCAAAAAACCAGATAATCCACCGAG
ACCTGAAGCCTGATAACATCCTCATTTCCAGAGCAGGATGGACACCAGTGACTTGAACCCACACTCAA
AGTGGCTGATTTCCGGCTAAGTAAAGTTTGCTCAGCATCTGGGCAGAACCAGAAACCTGTCAGTGTA
ACAAGTGTTCCTTTCCACGGCATGCGGGACGGACTTACATGGCTCCCGAAGTGTGGGAAGGACACT
ACACCGCAAAGCTGACATTTTGTCTGGGAATTATCATCTGGCAATGCTGGAGAGGATCACCTTCAT
AGACACGGAGACAAAGAAGGAGCTCTTGGGAGTTACGTAAAGCAGGGGACTGAAATGTGCCTGTTGGG
GAGGCACTTCTGAAAACCCAAAATGGAACCTTCATCCCTGTGAAGAAAAAGTCTATGAATGGGCGAA
TGAACAACCTGATAAAGGAAATGCTGGCCGAAACCCTCAGGATCGCCCTGATGCTTTTGAAGTGAACCT
CAGATTAGTCAAATTCATTTAAAGACAGCAGCTGGGAGACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205110 protein sequence
Red=Cloning site Green=Tags(s)

MVSSQPKYDLIREVGRGSYGVVYEAVIRKTSARVAVKKIRCHAPENVLALREFWALSSIKSQHPNVIHL
 EECILQKDGVMVQKMSHGSNSSLYLQLVETSLKGEIAFDPRSAYLWFVMDFCGGDMNEYLLSRKPNRKT
 NTSFMLQLSSALAFHLKNQIHRDLKPDNILISQSRMDTSDLEPTLKVADFGLSKVCSASGQNPEEPVSV
 NKCFLSTACGDFYMAPEVWEGHYTAKADIFALGIIWAMLERITFIDTETKKELLSYVKQGTEIVPVG
 EALLENPKMELLIPVKKKSMNGRMKQLIKEMLAANPQDRPDAFELELRVQIAFKDSSWET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001163794

ORF Size: 1026 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_001163794.1](#), [NP_001157266.1](#)

RefSeq Size: 4639 bp

RefSeq ORF: 1026 bp

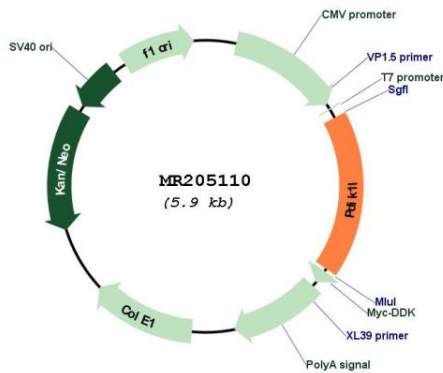
Locus ID: 230809

UniProt ID: [Q8QZR7](#)

Cytogenetics: 4 D3

MW: 38.5 kDa

Product images:



Circular map for MR205110