

## Product datasheet for **MG205110**

### **Pdik1l (NM\_146156) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pdik1l (NM_146156) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pdik1l
Synonyms:	BC027088; stk3512
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205110 representing NM_146156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGAGTAGCCAGCCAAAGTACGATCTAATACGGGAGGTAGGCCGAGGTAGTTACGGTGTGTATG  
AAGCAGTCATCAGAAAGACCTCTGCGAGAGTAGCCGTGAAGAAAATTCGATGCCACGCGCCTGAAAATGT  
TGAAGTACTCTTCGAGAGTTCTGGGCACTAAGCAGTATCAAGAGCCAACACCCAAATGTGATTCACCTG  
GAAGAGTGCATCCTACAGAAGGATGGGATGGTGCAAAAGATGTCCACGGCTCTAATTCCTCCTTTATT  
TACAGCTTGTAGAGACTTCATTAAGGAGAAAATGCCTTTGATCCAGAAAGCGCCTATTATTTGTGGTT  
TGTGATGGATTTTGTGACGGAGGAGATATGAATGAGTACCTGTTGTCCAGGAAACCAATCGAAAGACT  
AACACCAGCTTACGCTCAGCTCAGCAGTGCTCTGGCCTTCTTGCAAAAAACCAGATAATCCACCGAG  
ACCTGAAGCCTGATAACATCCTCATTTCCAGAGCAGGATGGACACCAGTGACTTGAACCCACACTCAA  
AGTGGCTGATTTCCGGCTAAGTAAAGTTTGCTCAGCATCTGGGCAGAACCAGAAAGACCTGTCAGTGTA  
ACAAGTGTTCCTTTCCACGGCATGCGGGACGGACTTACATGGCTCCCGAAGTGTGGGAAGGACACT  
ACACCGCAAAGCTGACATTTTGTCTGGGAATTATCATCTGGCAATGCTGGAGAGGATCACCTTCAT  
AGACACGGAGACAAAGAAGGAGCTCTTGGGAGTTACGTAAAGCAGGGGACTGAAATGTGCCTGTTGGG  
GAGGCACTTCTGAAAACCCAAAATGGAACCTTCATCCCTGTGAAGAAAAAGTCTATGAATGGGCGAA  
TGAACAACACTGATAAAGGAAATGCTGGCCGAAACCCTCAGGATCGCCCTGATGCTTTTGAAGTGAAGT  
CAGATTAGTCAAATTCATTTAAAGACAGCAGCTGGGAGACG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205110 representing NM\_146156  
Red=Cloning site Green=Tags(s)

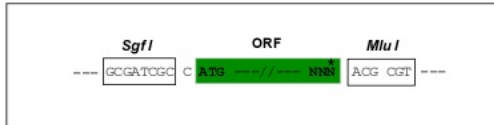
MVSSQPKYDLIREVGRGSYGVVYEAVIRKTSARVAVKKIRCHAPENVELALREFWALSSIKSQHPNVIHL  
 EECILQKDGMOVQKMSHGSNSL YLQLVETSLKGEIAFDPRSAYLWFVMDFCDDGDMNEYLLSRKPNRKT  
 NTSFMLQLSSALAFHLKNQI IHRDLKPDNILISQSRMDTSDLEPTLKVADFGLSKVCSASGQNPEEPVSV  
 NKCFLSTACGDFYMAPEVWEGHYTAKADIFALGIIIWAMLERITFIDTETKKELLSYVYKQGTEIVPVG  
 EALLENPKMELLIPVKKKSMNGRMKQLIKEMLAANPQDRPDAFELELRVQIAFKDSSWET

TRTRPLE - GFP Tag - V

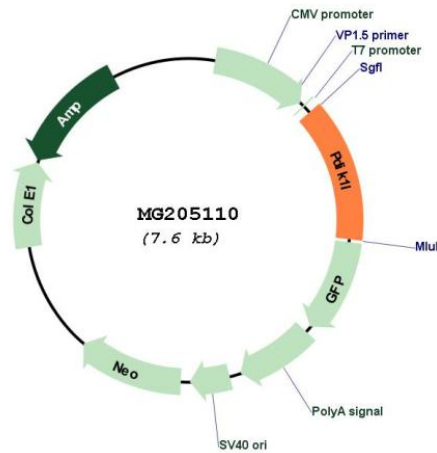
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_146156

**ORF Size:** 1023 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_146156.3</a> , <a href="#">NP_666268.1</a>
<b>RefSeq Size:</b>	4766 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	230809
<b>UniProt ID:</b>	<a href="#">Q8QZR7</a>
<b>Cytogenetics:</b>	4 D3