

Product datasheet for **RG205597**

PDIK1L (NM_152835) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDIK1L (NM_152835) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PDIK1L
Synonyms:	CLIK1L; STK35L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205597 representing NM_152835 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAGTAGCCAGCCAAAGTACGATCTAATACGGGAGGTAGGCCGAGGTAGTTACGGTGTGTATG
AAGCAGTCATCAGAAAGACCTCTGCACGGGTGGCAGTGAAGAAAATTCGATGTCACGCACCTGAAAATGT
TGAAGTAGCCCTTCGTGAGTTCTGGGCACTAAGCAGTATCAAGAGCCAACATCCAATGTGATTCACCTG
GAGGAATGCATCCTACAAAAGGATGGGATGGTGCAAAAGATGTCCACGGCTCTAATCTCCCTTTATT
TACAGCTTGTAGAACTTCATTAAGGAGAAAATGCCTTTGATCCAGAAGCGCCTATTATTTGTGGTT
TGTGATGGATTTTGTGACGGAGGAGATATGAATGAGTATCTGTTGTCCAGGAAACCAATCGTAAACT
AACACCAGCTTACGCTTCAGCTGAGCAGTGCCCTGGCTTTCTTCATATAAAACCAGATCATCCACCGAG
ATCTTAAGCCTGATAACATCCTGATTTCTCAAACCAGGTTGGATACCAGTGACTTGGAACCTACCCTCAA
GGTGGCTGATTTTGGTCTAAGTAAAGTTTGTTCAGCCTCTGGGCAGAACCAGAAAGAACCTGTCAGTGTA
ACAAGTGTTCCTTCCACAGCATGTGGAACAGATTTTACATGGCTCCTGAAGTTTGGGAAGGACATT
ACACAGACAAAGCTGACATCTTTGCTCTGGGATTATCATCTGGCAATGCTGGAAGGATCACATTCAT
AGACACAGACAAAGAAGGAACCTTTGGGAGTTATGTAACAAGGAAGTGTGATGATGATGGGCGAA
GAGGCACTTCTGAAAAATCCAAAATGGAACCTTCATTCCTGTAAGAAAAATCTATGAATGGGCGAA
TGAACAACCTGATTAAGGAAATGCTGGCTGCAAACCCTCAGGATCGTCCAGATGCTTTTGAAGTGAAGT
CAGATTAGTACAAATTGCATTTAAAGATAGCAGCTGGGAAACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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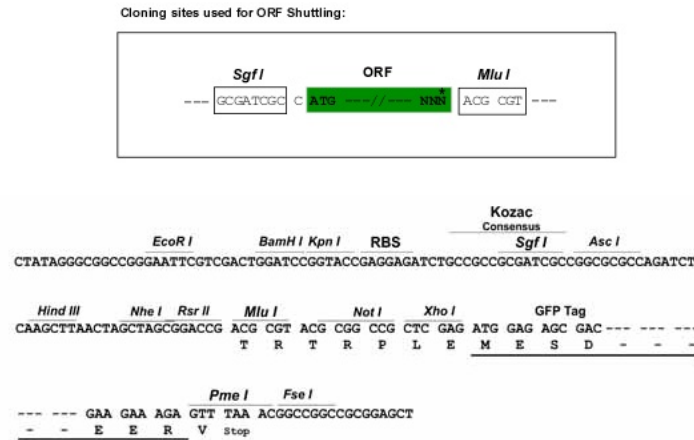
Protein Sequence: >RG205597 representing NM_152835
 Red=Cloning site Green=Tags(s)

MVSSQPKYDLIREVGRGSYGVVYEAVIRKTSARVAVKKIRCHAPENVLALREFWALSSIKSQHPNVIHL
 EECILQKDGVMVQKMSHGSNSSLYLQLVETSLKGEIAFDPRSAYYLWVMDFCDDGDMNEYLLSRKPNRKT
 NTSFMLQLSSALAFHLKNQIIHRDLKPDNILISQTRLDTSDLEPTLKVADFGLSKVCSASGQNPEEPVSV
 NKCFLSTACGDFYMAPEVWEGHYTAKADIFALGIIIWAMLERITFIDTETKKELLSYVYKQGTEIVPVG
 EALLENPKMELLIPVKKKSMNGRMKQLIKEMLAANPQDRPDAFELELRVQIAFKDSSWET

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152835

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:

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_152835.2](#)

RefSeq Size: 4299 bp

RefSeq ORF: 1026 bp

Locus ID: 149420

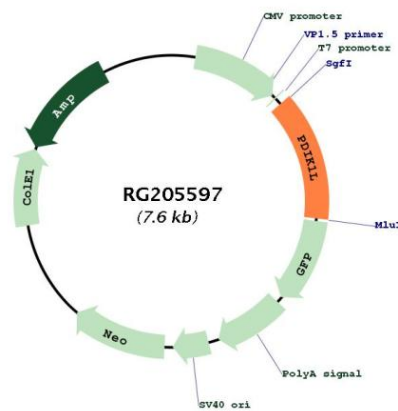
UniProt ID: [Q8N165](#)

Cytogenetics: 1p36.11

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

Product images:



Circular map for RG205597