

Product datasheet for **RG232530**

PDIK1L (NM_001243532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDIK1L (NM_001243532) 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:	>RG232530 representing NM_001243532 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAGTAGCCAGCCAAAGTACGATCTAATACGGGAGGTAGGCCGAGGTAGTTACGGTGTGTATG
AAGCAGTCATCAGAAAGACCTCTGCACGGGTGGCAGTGAAGAAAATTCGATGTCACGCACCTGAAAATGT
TGAAGTAGCCCTTCGTGAGTTCTGGGCACTAAGCAGTATCAAGAGCCAACATCCAATGTGATTCACCTG
GAGGAATGCATCCTACAAAAGGATGGGATGGTGCAAAAGATGTCCACGGCTCTAATCTCCCTTTATT
TACAGCTTGTAGAACTTCATTAAGGAGAAATTGCCTTTGATCCAGAAGCGCCTATTATTTGTGGTT
TGTGATGGATTTTGTGACGGAGGAGATATGAATGAGTATCTGTTGTCCAGGAAACCAATCGTAAACT
AACACCAGCTTTCAGCTGAGCAGTGCCCTGGCTTTCTTCATATAAAACCAGATCATCCACCGAG
ATCTTAAGCCTGATAACATCCTGATTTCTCAAACCAGGTTGGATACCAGTGACTTGGAACCTACCCTCAA
AGTGGCTGATTTTGGTCTAAGTAAAGTTTGTTCAGCCTCTGGGCAGAACCAGAAACCTGTCAGTGTA
ACAAGTGTTCCTTTCCACAGCATGTGGAACAGATTTTACATGGCTCCTGAAGTTTGGGAAGGACATT
ACACAGCAAAGCTGACATCTTTGCTCTGGGATTATCATCTGGCAATGCTGGAAGGATCACATTCAT
AGACACAGAGACAAAGAAGGAACCTTTGGGAGTTATGTAACAAGGAAGTGTGATTTGCTGTTGGG
GAGGCACTTCTGAAAAATCCAAAATGGAACCTTCATTCCTGTGAAGAAAAATCTATGAATGGGCGAA
TGAACAACCTGATTAAGGAAATGCTGGCTGCAAACCCTCAGGATCGTCCAGATGCTTTTGAAGTGAAGT
CAGATTAGTACAAATTGCATTTAAAGATAGCAGCTGGGAAACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232530 representing NM_001243532
 Red=Cloning site Green=Tags(s)

MVSSQPKYDLIREVGRGSYGVVYEAVIRKTSARVAVKKIRCHAPENVLALREFWALSSIKSQHPNVIHL
 EECILQKDGMOVQKMSHGSNSL YLQLVETSLKGEIAFDPRSAYLWFVMDFCDDGDMNEYLLSRKPNRKT
 NTSFMLQLSSALAFHLKNQI IHRDLKPDNILISQTRLDTSDLEPTLKVADFGLSKVCSASGQNPPEPVS
 NKCFLSTACGDFYMAPEVWEGHYTAKADIFALGIIIWAMLERITFIDTETKKELLSYVYKQGTETV
 PVG EALLENPKMELLIPVKKKSMNGRMKQLIKEMLAANPQDRPDAFELELRVQIAFKDSSWET

TRTRPLE - GFP Tag - V

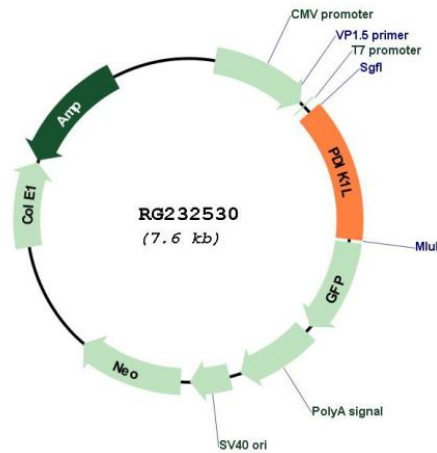
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001243532

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_001243532.1 , NP_001230461.1
RefSeq Size:	4270 bp
RefSeq ORF:	1026 bp
Locus ID:	149420
UniProt ID:	Q8N165
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Protein Kinase