

Product datasheet for **SC323346**

PDIK1L (NM_152835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDIK1L (NM_152835) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDIK1L
Synonyms:	CLIK1L; STK35L2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC323346 sequence for NM_152835 edited (data generated by NextGen Sequencing)

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ATGGTGAGTAGCCAGCCAAAGTACGATCTAATACGGGAGGTAGGCCGAGGTAGTTACGGT
GTTGTGTATGAAGCAGTCATCAGAAAGACCTCTGCACGGGTGGCAGTGAWGAAAATTCGA
TGTCACGCACCTGAAAATGTTGAACTAGCCCTTCGTGAGTTCTGGGCACTAAGCAGTATC
AAGAGCCAACATCCAATGTGATCACTTGGAGGAATGCATCCTACAAAAGGATGGGATG
GTGCAAAAGATGTCCCACGGCTCTAATTCTCCCTTTATTACAGCTTGTAGAACTTCA
TAAAAAGGAGAAATTGCCTTTGATCCCAGAAGCGCCTATTATTTGTGGTTTGTGATGGAT
TTTTGTGACGGGAGGAGATATGAATGAGTATCTGTTGTCCAGGAAACCAATCGTAAACT
AACACCAGCTTCATGCTTCAGCTGAGCAGTGCCCTGGCTTCTTGCATAAAAACCAGATC
ATCCACCGAGATCTTAAGCCTGATAACATCCTGATTTCTCAAACCAGGTTGGATACCAGT
GACTTGGAACCTACCCTCAAAGTGGCTGATTTTGGTCTAAGTAAAGTTTGTTCAGCCTCT
GGGCAGAACCAGAAAGACCTGTCAGTGTAAACAAGTGTTCCTTTCCACAGCATGTGGA
ACAGATTTTTACATGGCTCCTGAAGTTTGGGAAGGACATTACACAGCAAAAGCTGACATC
TTTGCTCTGGGGATTATCATCTGGGCAATGCTGGAAAGGATCACATTCATAGACACAGAG
ACAAAGAAGGAACTCTTGGGGGATTATGTAACAAGGAACTGAGATTGTGCCTGTTGGG
GAGGCACCTTCTGGAAAATCCCAAATGGAACCTCTCATTCTGTGAAGAAAAAATCTATG
AATGGGCGAATGAAACAACCTGATTAAGGAAATGCTGGCTGCAAACCCTCAGGATCGTCCA
GATGCTTTTGAAGTAACTAGAACTCAGATTAGTACAAAATTGCATTTAAAGATAGCAGCTGGGAA
ACGTGA
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Clone variation with respect to NM_152835.4
110 a=>w



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5' Read Nucleotide Sequence:	>OriGene 5' read for mutant NM_152835 unedited CCCGCCGTTGAGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAA CCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCAGCGGAGGCGC GAGCTGCCCGATAATGGCGGCCTGCAGAGCCCATGAGAGGGAGAAGCGGCAGCGTCTACCCTGAGGAAGG TGCTCTTCCCATGGGACTGTACCAGGCTGGAGAGGACATGGCACTGCTTCAGAGACACGAACACCTT GAGTGGATGTGATTGGCGATCCCCGTAGAGCAGGAAAGCTCGTCTGCTGTGCAGCCGGCGCAGAGGATTC TGTGGCAGGAAATTAGACTAGAAAATTCAGTAGCGATTTGAAGGAAACCTCGACCTTGAGATGGTGAGT AGCCAGCCAAAGTACGATCTATACGGAGGTAGGCCGAGGTAGTTACGTTGTTGGTGTATGAGCAGTCATC AGAAGACCTCTGCCACGGTTGCCAGGTGATGAATTCGATTGTCCACCGCCACTTGAAATTGTTGACCTAG TCATCAGAAGGACCTCTCGGCACGGTGGCCATGTGAATGAAATCGATGTTACGCCACCTTGAAATGTGT GACTTAGCCTTCTAATCTCTGGACCTAGCGATATTCAGAGAGCCACACCTCCAGTGTATTATTGGA GGAATGTCCATCTCTCACAGGATGGATGTGTCCAGAGTCCACGCCTTATTCTTCGTTATTAGCTGTG AAATTCTTTAAAGGACTGCCTGATCCACGGCTATTTGTTGTAGATTTTGC GGGAATATGAGATTCTTG TCCGAACATCTGAACATACGCTAGCTACTTGACATGCTGCGTCTGTCAACAGATATCCGGATTTATCCGG TAATCGATTTTACACTG
Kinase Domain Sequence:	>SC323346 kinase domain raw sequence. By performing BLASTX analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation ACGMTKMGAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGT CAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCAGCGGAGGCGCGAGC TGCCCGATAATGGCGGCCTGCAGAGCCCATGAGAGGGAGAAGCGGCAGCGTCTACCCTGAGGAAGGTGCT CTTCCCATGGGACTGTACCAGGCTGGAGAGGACATGGCACTGC
Restriction Sites:	Please inquire
ACCN:	NM_152835
Insert Size:	4700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell, 2008 May p536-548.
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_152835.1 , NP_690048.1

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