

Product datasheet for **SC114268**

PLEK2 (NM_016445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLEK2 (NM_016445) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLEK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016445, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGGACGGCGTGCTCAAGGAGGGCTTCTGGTCAAGAGGGGCCACATTGTCCACAACCTGGAAGGCGC
GATGGTTCATCCTTCGGCAGAACACGCTGGTGTACTACAAGCTTGAGGGGGGTCGGAGAGTGACCCCTCC
CAAGGGCCGGATCCTCCTGGATGGCTGCACCATCACCTGCCCTGCCTGGAGTATGAAAACCGACCGCTC
CTCATTAAAGCTGAAGACTCAAACATCCACGGAGTACTTCTGGAGGCCTGTTCTCGAGAGGAGCGGGATG
CCTGGGCCTTTGAGATCACCGGGGCTATTCATGCAGGGCAGCCGGGAAGGTCCAGCAGCTGCACAGCCT
GAGAAACTCCTTCAAGCTGCCCCCGCACATCAGCCTGCATCGCATTGTGGACAAGATGCACGATAGCAAC
ACCGGAATCCGTTCAAGCCCCAACATGGAGCAGGGAAGCACCTATAAAAAGACCTTCTCGGCTCCTCCC
TGGTGGACTGGCTCATCTCCAACAGCTTACGGCCAGCCGCTGGAGGGCGGTGACCCCTGGCCTCCATGCT
CATGGAGGAGAACTTCTCAGGCCTGTGGGTGTCCGAAGCATGGGAGCCATTCGCTCTGGGGATCTGGCC
GAGCAGTTCCTGGATGACTCCACAGCCCTGTACACTTTTGTGAGAGCTACAAAAAGAAGATAAGCCCCA
AGGAAGAAATTAGCCTGAGCACTGTGGAGTTAAGTGGCACGGTGGTGAACAAGGCTACCTGGCCAAGCA
GGGACACAAGAGGAAAACTGGAAGGTGCGTCGCTTTGTTCTAAGGAAGGATCCAGCTTTCCTGCATTAC
TATGACCCTTCCAAGAAGAGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
TGAAGATAATGGCGTTCCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
GGATGACACACTATTACATTCAGGCCAGCAGCAAGGCTGAGCGAGCCGAGTGGATTGAAGCTATCAA
AAGCTAACATGA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016445 unedited TTCAGATATTGTAATACGACTTCACTATAGGGCGGCCGGAATTCGCACCAGGCCGCGTC GGAGCTGCTTCTGGGCGCCGTGGGCGCGGACTGCGCGGGCTGCGCGGGTGCCGAGGAGC GCGAGGCGCGGGGAAGGCGCACCTGGGGTGGCCCTGGCGTGCGGGCGGCGACATGGAGGA CGGCGTGTCAAGGAGGGCTTCTGGTCAAGAGGGGCCACATTGTCCACAACCTGGAAGGC GCGATGGTTCATCCTTCGGCAGAACACGCTGGTGTACTACAAGCTTGAGGGGGGTCCGAG AGTGACCCCTCCCAAGGGCCGGATCCTCCTGGATGGCTGCACCATCACCTGCCCTGCCT GGAGTATGAAAACCGACCGCTCCTCATTAAAGCTGAAGACTCAAACATCCACGGAGTACTT CCTGGAGGCCTGTTCTCGAGAGGAGCGGGATGCCTGGGCCTTTGAGATCACCGGGGCTAT TCATGCAGGGCAGCCGGGAAGGTCCAGCAGCTGCACAGCCTGAGAACTCCTTCAAGCT GCCCCCGCACATCAGCCTGCATCGCATTGTGGACAAGATGCACGATAGCAACACCGGAAT CCGTTCAAGCCCCAACATGGAGCAGGGAAGCACCTATAAAAAGACCTTCTCGGCTCCTC CCTGGTGGACTGGCTCATCTCCAACAGCTTCACGGCCAGCCGTCTGGAGGCGGTGACCCT GGCCTCCATGCTCATGGAGGAGAACTTCTCANGCCTGTGGNGTGTCCNGAAGCATGGGG AGCCATTCGCTCTGGGGGATCTGGGCCGAGCAGTTCCTGGATGACTCCACAGCCCTGTAC ACTTTTTTGTGAGAGCTACAANAAGAAGATAAGCCCCAGGAAGAAAATAGCCTGAACTG TGTGNAGTAAGTGGCACGGTGGTGAACAAGGCTACTGNCCAGCANGACACAGAGAACT TGAAGGTGCGTCCCTTTGTCTAAGGAAGATCCAGCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_016445
Insert Size:	1650 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_016445.1 , NP_057529.1

RefSeq Size: 1479 bp

RefSeq ORF: 1062 bp

Locus ID: 26499

UniProt ID: [Q9NYT0](#)

Cytogenetics: 14q23.3-q24.1

Domains: DEP, PH

Gene Summary: The protein encoded by this gene associates with membrane-bound phosphatidylinositols generated by phosphatidylinositol 3-kinase. The encoded protein then interacts with the actin cytoskeleton to induce cell spreading. In conjunction with complement component 1, q subcomponent, B chain (C1QB), this gene shows an increase in expression in melanoma cells and may serve as an accurate biomarker for the disease. [provided by RefSeq, Dec 2015]