OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC322196

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322196 CGGACTGCGCGGGCTGCGCGGGTGCCGAGGAGCGCGAGGCGCGGGGAAGGCGCACCTGGG GTGGCCCTGGCGTGCGGGCGGCGACATGGAGGACGGCGTGCTCAAGGAGGGCTTCCTGGT CAAGAGGGGCCACATTGTCCACAACTGGAAGGCGCGATGGTTCATCCTTCGGCAGAACAC GCTGGTGTACTACAAGCTTGAGGGGGGTCGGAGAGTGACCCCTCCCAAGGGCCGGATCCT CCTGGATGGCTGCACCATCACCTGCCCCTGCCTGGAGTATGAAAACCGACCGCTCCTCAT TAAGCTGAAGACTCAAACATCCACGGAGTACTTCCTGGAGGCCTGTTCTCGAGAGGAGCG GGATGCCTGGGCCTTTGAGATCACCGGGGCTATTCATGCAGGGCAGCCGGGGAAGGTCCA GCAGCTGCACAGCCTGAGAAACTCCTTCAAGCTGCCCCCGCACATCAGCCTGCATCGCAT TGTGGACAAGATGCACGATAGCAACACCGGAATCCGTTCAAGCCCCAACATGGAGCAGGG AAGCACCTATAAAAAGACCTTCCTCGGCTCCTCCCTGGTGGACTGGCTCATCTCCAACAG CTTCACGGCCAGCCGTCTGGAGGCGGTGACCCTGGCCTCCATGCTCATGGAGGAGAACTT CCTCAGGCCTGTGGGTGTCCGAAGCATGGGAGCCATTCGCTCTGGGGATCTGGCCGAGCA GTTCCTGGATGACTCCACAGCCCTGTACACTTTTGCTGAGAGCTACAAAAAGAAGATAAG CCCCAAGGAAGAAATTAGCCTGAGCACTGTGGAGTTAAGTGGCACGGTGGTGAAACAAGG CTACCTGGCCAAGCAGGGACACAAGAGGAAAAACTGGAAGGTGCGTCGCTTTGTTCTAAG GAAGGATCCAGCTTTCCTGCATTACTATGACCCTTCCAAAGAAGAGAACAGGCCAGTGGG TGGGTTTTCTCTTCGTGGTTCACTCGTGTCTGCTCTGGAAGATAATGGCGTTCCCACTGG GGTTAAAGGGAATGTCCAGGGAAACCTCTTCAAAGTGATTACTAAGGATGACACACACTA TTACATTCAGGCCAGCAGCAAGGCTGAGCGAGCCGAGTGGATTGAAGCTATCAAAAAGCT AACATGACAAGGACCTGAGGGAACCAGGATTCCTCCCTCCTACCAGATGACACAGACAAG AGTTCCTGGAGAATGGGAGTGTTAAGACTTTTGACTTCTTTGTAAGTTTTGTACTGCTTT GGAGAGTGAATGCTGCCAAGAGTTCCTCAGATTACAAACAGCAGTGGTGCCATTTCCTTC CCCATCTTCATGTTACAAACCTGGAAAGGCTAGAACAGCCATTAGGCGTCAGCATCTTGA CTTTTCCCCAGCATCACAAACAGCCATTTCCTCGGGCACCAAAGTAGGTTCCCTTTGTTG GAACAATTACACTGGCCATGCCATAATGTTGAATAAAACTCTCTTCTTAAAAAAAAAAAA AAAA
Restriction Sites:	Please inquire

View online »

ACCN:	NM_016445
OTI Disclaimer:	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. 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_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]