

Product datasheet for **SC330279**

PLK2 (NM_001252226) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLK2 (NM_001252226) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLK2
Synonyms:	hPlk2; hSNK; SNK
Vector:	pCMV6-Entry (PS100001)

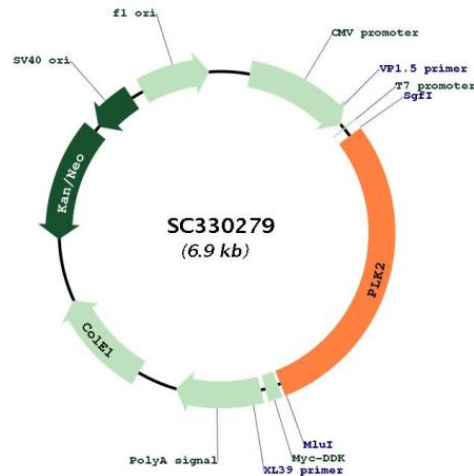


[View online »](#)

Fully Sequenced ORF: >SC330279 representing NM_001252226.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGAGCTTTTGGCGACTATCACCTACCAGCCAGCCGCCAGCACCAAAATGTGCGAGCAGGCGCTGGGC
AAGGGTTGCGGAGCGGACTCGAAGAAGAAGCGGCCGCCAGCCCCCGAGGAATCGCAGCCACCTCAG
TCCCAGGCGCAAGTGCCCCGGCGATCTCGGGATTATCGTCGACCCACGACTGGGAAGCGCTACTGC
CGGGCAAAGTGCTGGGAAAGGGTGGCTTTGCAAAATGTTACGAGATGACAGATTTGACAAATAACAAA
GTCTACGCCGCAAAAATTATTCCTCACAGCAGAGTAGCTAAACCTCATCAAAGGGAAAAGATTGACAAA
GAAATAGAGCTTTCACAGAATTCTTCATCATAAGCATGTAGTGCAGTTTTTACCCTACTTCGAGGACAAA
GAAAACATTTACATTCTCTTGAATACTGCAGTAGAAGGTCAATGGCTCATATTTTGAAAGCAAGAAAG
GTGTTGACAGAGCCAGAAGTTCGATACTACCTCAGGCAGATTGTGTCTGGACTGAAATACCTTCATGAA
CAAGAAATCTTGACAGAGATCTCAAAC TAGGGAAC TTTTTTATTAATGAAGCCATGGAAC TAAAGTT
GGGGACTTCGGTCTGGCAGCCAGGCTAGAACCCTTGAACACAGAAGGAGAACGATATGTGGTACCCCA
AATTATCTCTCTCTGAAGTCTCAACAAACAAGGACATGGCTGTGAATCAGACATTTGGCCCTGGGC
TGTGTAATGTATACAATGTTACTAGGGAGGCCCATTTGAAACTACAAATCTCAAAGAACTTATAGG
TGATAAGGGAAGCAAGGTATACAATGCCGTCCTCATTGCTGGCTCCTGCCAAGCACTTAATTGCTAGT
ATGTTGTCCAAAAACCCAGAGGATCGTCCCAGTTTGGATGACATCATTGACATGACTTTTTTTTGCAG
GGCTTCACTCCGGACAGACTGTCTTCTAGCTGTTGTACACAGTTCAGATTTCCACTTATCAAGCCCA
GCTAAGAAATTTCTTTAAGAAAGCAGCTGCTGCTTTTTTGGTGGCAAAAAGACAAAGCAAGATATATT
GACACACATAATAGAGTGTCTAAAGAAGATGAAGACATCTACAAGCTTAGGCATGATTTGAAAAAGACT
TCAATAACTCAGCAACCCAGCAAACACAGGACAGATGAGGAGCTCCAGCCACCTACCACCACAGTTGCC
AGGTCTGGAACACCCGCGAGTAGAAAACAAGCAGCAGATTGGGGATGCTATTCGGATGATAGTCAGAGGG
ACTCTTGGCAGCTGTAGCAGCAGCAGTGAATGCCTTGAAGACAGTACCATGGGAAGTGTTCAGACACA
GTGGCAAGGGTTCTTCGGGGATGTCTGGAAAACATGCCGGAAGCTGATTGCATTCCCAAAGAGCAGCTG
AGCACATCATTTTCAAGTGGGTACCAAATGGGTTGATTACTCTAACAATATGGCTTTGGGTACCAGCTC
TCAGACCACACCGTTCGGTGTCTTTTCAACAATGGTGCTCACATGAGCCTCCTTCCAGACAAAAAACA
GTTCACTATTACGCAGAGCTTGGCCAATGCTCAGTTTTCCAGCAACAGATGCTCCTGAGCAATTTATT
AGTCAAGTGACGGTGTGAAATACTTTTCTCATTACATGGAGGAGAACCTCATGGATGGTGGAGATCTG
CCTAGTGTACTGATATTCGAAGACCTCGGCTCTACCTCCTTCAGTGGCTAAAATCTGATAAGGCCCTA
ATGATGCTCTTTAATGATGGCACCTTTCAGGTGAATTTCTACCATGATCATAAAAAATCATCATCTGT
AGCCAAAATGAAGAATACCTTCTCACCTACATCAATGAGGATAGGATATCTACAAC TTT CAGGCTGACA
ACTCTGCTGATGTCTGGCTGTTTCATCAGAATTA AAAAATCGAATGGAATATGCCCTGAACATGCTCTTA
CAAAGATGTAAC TGA
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001252226

Insert Size: 2016 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).

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_001252226.1](#)

RefSeq Size: 2808 bp

RefSeq ORF: 2016 bp

Locus ID: 10769

UniProt ID: [Q9NYY3](#)

Cytogenetics: 5q11.2

Protein Families: Druggable Genome, Protein Kinase

MW: 76.7 kDa

Gene Summary:

The protein encoded by this gene is a member of the polo family of serine/threonine protein kinases that have a role in normal cell division. This gene is most abundantly expressed in testis, spleen and fetal tissues, and its expression is inducible by serum, suggesting that it may also play an important role in cells undergoing rapid cell division. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) is alternatively spliced in the 5' region compared to variant 1, however, it maintains the reading frame and encodes a shorter isoform (2) missing a 14 aa protein segment compared to isoform 1.