

Product datasheet for **SC216518**

POLK (NM_016218) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	POLK (NM_016218) Human 3' UTR Clone
Symbol:	POLK
Synonyms:	DINB1; DINP; POLQ
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016218
Insert Size:	1828 bp



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Insert Sequence: >SC216518 3' UTR clone of NM_016218
 The sequence shown below is from the reference sequence of NM_016218. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CAATCCCAAACATACCCTTGATATATTTTTTAA**GTAA**ACATTGAACATTTTATCATTAAATTTTTAATTGA
 AACTAGTTATTTTATAATCAATGAATTTGTTCTTTCTGATTTTAAAGTTTGCAGATTTATTTAGTGAAGGC
 AAGTGCATAATCCTTCCTCAGATGATGTTTGCTTTTCTAAGATACATACTGATTCTGTGTATCTTTT
 TTATAACCATGAGAATTTTACTTCCATTATACATCAATTGGAAATCAATCCTGTTAAGAGATAATTCTTA
 AAAGGGAAATTAGGAATGGGATAAGAAGGTGATTTTTTATTATTTTTTAACTGAATATAAAAACATTTG
 TAAGGGCTCTCAAAGATTCACACATGCCTATATTATCATAAGAATTTTTCAGCACTTAACTACTTTGTTG
 GCATTGATCCTAGTGTCTTTAAATACTTCAATGAGCATTATAAATAAATTTATCTTAAAGTTCTATGAAG
 AGTATTAATGTAAGTAGCATAAGTGGTTTTCTTCAGGAAAATAAATATCACAGTATTATCTGTGTTAAAA
 TGGTTTTTGCCTAAAATAAATTTTTAATTTGGCTTTTCTTATTTAAAATTCATTATCTTATGAATAAG
 CACTTGAATCAGTTTTTAAAATATTTAGTCTAAGATGATTCAAAGTAGTTTTATTTAATACAGGACTTT
 TAAATGGCAGTATTTCTTTCTGTCAATTATGTTGGTACTTTCCACAAATCTATAAAGAAGGATAAATT
 GTACCATCATTTTATTATAATCCTCAAGAGAAAATGTGAATTCAAAAGATTAATGTGTATTAACACACA
 TTATGTATCTTAGTTACATTTCTATCAGTACTTTTATTAATATTTGTGAAAGAAGACAGCTTAATAGTAG
 TTAGCTTAAGTAGTTTCTCCAAGTACTTTTGTGCTATCAATGAGTCTTCTCAAAAAATAATTAGTTAGG
 CCAGGCCAATGGCTCACACCTGTAATGCCAGCCCTTTGGGAGGCCGAATGGGCAGATCACTTGAGGTCA
 GGAGTTTGAGACCAGCCTCGCCAACATGGTGAGACCCTGTCTCTACTAAAACGATAAAAAAAAAAAAAAA
 ATTAGCCAGGCTTGGTGGCACACGCCTGTAATCCAGCTACTCAGATGGCTGAGGCAGGAGAAGTACTTG
 AACCTGGGAGGTCAAAGCTGCAGTCAGCCAAGATCTTGCCACTGTACTCCAGCCTGAAGAGCGAGACTCT
 GTCTCAATAATAATAATAGTTATTATTTAATTGCAACATGAAGTTGGAAGCCATTTTCTGTTACTTCT
 TTAAGGAGCTAAATCTTTTATATTTTTGTTTTCTCTCCCTTGCCTTTCATATTTTAGCTTATGATCTAA
 ATATATATTTGTATATTATAATTTTTAGGAATAGCTTAATTAAGAAGTACAGACTTTGACAAAGTGG
 TAACTAGACTTTTAACTAGATTCTTCAAATAGGCTTAATGCCTGCTAGCATGCCAATCCAATCCCA
 TGAATGATGTTATTATACTATGGCAAATACAAGTTGTAGTATTATGGTCTTGATGGTGTGATTTAC
 TTATGTAATTAATGTACAAATTTAAGTTCAATGAAACACTGATTAATGTACTGAAAGGTAATAGTACC
 ATAGTGAATATTTTCTGTCTTGCCTTAGGTTATTTTTATTATCTTCAATATTAGAATAAATGCTAAAT
 TATTTTCATTTAAGGATTTATGTAGTTGAATATTATCATTAGTAATATTTAATCATTGAAATAAAT
 TAAAGCTT

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_016218.2](#)

Summary: This gene encodes a member of the DNA polymerase type-Y family of proteins. The encoded protein is a specialized DNA polymerase that catalyzes translesion DNA synthesis, which allows DNA replication in the presence of DNA lesions. Human cell lines lacking a functional copy of this gene exhibit impaired genome integrity and enhanced susceptibility to oxidative damage. Mutations in this gene that impair enzyme activity may be associated with prostate cancer in human patients. [provided by RefSeq, Sep 2016]

Locus ID: 51426