

## Product datasheet for **SC200816**

### DNA polymerase delta p50 (POLD2) (NM\_006230) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	DNA polymerase delta p50 (POLD2) (NM_006230) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	POLD2
ACCN:	NM_006230
Insert Size:	135 bp
Insert Sequence:	>SC200816 3'UTR clone of NM_006230 The sequence shown below is from the reference sequence of NM_006230. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GACCTGGGAGGCCTGGGGCTGGGCCCCTGA <sup>ACTCAAAAAAGTGGTTTTGACCAGAGAGGCCAGATGGAG</sup> GCTGTTTCATTCCCTGCAGTGTCCGATTGTAAATAAAGCCTGAGCACTTGCTGATGCGAGCCTTGA <sup>ACGCGT</sup> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u><a href="#">NM_006230.4</a></u>



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**Summary:**

This gene encodes the 50-kDa catalytic subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein is required for the stimulation of DNA polymerase delta activity by the processivity cofactor proliferating cell nuclear antigen (PCNA). Expression of this gene may be a marker for ovarian carcinomas. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5. [provided by RefSeq, Mar 2012]

**Locus ID:**

5425

**MW:**

4.8