

## Product datasheet for **SC206423**

### **POLD4 (NM\_021173) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	POLD4 (NM_021173) Human 3' UTR Clone
Symbol:	POLD4
Synonyms:	p12; POLDS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021173
Insert Size:	1253 bp



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**Insert Sequence:** >SC206423 3'UTR clone of NM\_021173  
 The sequence shown below is from the reference sequence of NM\_021173. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGCAGTCTCTGGCATCTCTATCCCTATGAGGCACACGTAAAGACCTCCTGCCCTTAGCTCTCTTGCTC
ACCACCCAAGAACCTCAGGACAGAAGCGAGAGCCATTGCTCCTGCTCAGCTCAGCCCGGCTGCGGAGG
AACCCCTTGGCAGGCAGAACCTGGAGGTGTGAGAGGCTCAACTCCTCCATCTAACCAGCAGGCTCCCAGA
GTCCCCGGAAGAGCCTGCGCAGCTGAAGCAGAGTGCTTCTAGATGGAGAGTGGTCACTGGGGAAAAGGA
CCTGGCCATCACCTTCCAATACCTGCTGCCTGTCTCCCTGACCCATGATCTGGCAAGTTAGGCACAGTC
AGACATGGACAGTTGATCCATGAGGAAAAGATGCTCTCCACCTAAGGCCAGGAATCTGAGAGCAGGAC
TGGCTGAGCTCCCAGGGCAAGGGGTTCACTAATGCTTATCAATAAAGAATATTGAGCCTGGAATCCTGA
CCTTCAGTCTTTACTGTGGCCCTGCTTTGACTGGCAGTCCCTAGCAAGTTAGGAGATGAGAGAGGCAC
CACTACAGCTCTTTTCTCAAGAAAGTCTAGGCCGAAGAGGGAGGAGACAGTCATCTTGAGACGGAT
CAAGTCTCGGAAGAGCTGAGCGACCTCTGGTGGCCCTGGTGGCCACAGGGAACTACTCATGACTC
ACCTTCTGGAGCAGCCAGGGAAAACCTACCTGACTAGCCAGCCACCTGCCTTGCTAAGCGGTGCCACC
TCACAAACATGGGTGCTTTGCCAGAGAAGGACCCCTGGGGTCCATAGTCCATGAAGTCCAAACATATCT
ATACATTTCCAGCAAGCACCTCTGGCTTCCACATCGGGGGCCACCTTGATCCAAAGCAGGGCTGGCGA
GGGTCTCAACTTGAGGACCTGCTCAGACATGACCATCATCTGAGGGGCTTTGGTAAGAACTGATGGC
TGGGCGCGGTGGCTCACACCTGTAATCCAGCACTTTGGGAGGCCAAGGAGGGCGGATCAGGAGTCAA
GAGATCGAGACCATCCTGGCTAACATGGTGAACCCCATCTCTACTAAAAATACAAAAAATTAGCCAGG
TGTAGTCCAGCTACTCAGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGCAGAGCTGGCAGTG
AGCTGAGACCGCATCACTGCACTCCAGCCTGGGTGACAGAGAGAGACCCCGTCTCAAAAAATAAAAAA
TACAAAAATAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-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\\_021173.5](#)

**Summary:** This gene encodes the smallest 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 enhances the activity of DNA polymerase delta and plays a role in fork repair and stabilization through interactions with the DNA helicase Bloom syndrome protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]

**Locus ID:** 57804

**MW:** 45.7