

Product datasheet for **SC114677**

POLDIP2 (NM_015584) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLDIP2 (NM_015584) Human Untagged Clone
Tag:	Tag Free
Symbol:	POLDIP2
Synonyms:	p38; PDIP38; POLD4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114677 sequence for NM_015584 edited (data generated by NextGen Sequencing)

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ATGGCAGCCTGTACAGCCCGCGGGCCCTGGCCGTGGGCAGCCGCTGGTGGTCCCGGTGCG
CTGACTGGGGCCCGGTGGCCAAGGCCGCTCTGTGCGGCGCCGGAGCTGGAGCCTTCTCG
CCAGCGTCGACCACGACGACGCGGAGGCACCTCTCGTCCCGAAACCGACCAGAGGGCAAA
GTGTTGGAGACAGTTGGTGTGTTTGGAGTGCCAAAACAGAATGGAAAATATGAGACCGGG
CAGCTTTTCTTCATAGCATTGTTGGCTACCGAGGTGTCGTCTGTTCCCTGGCAGGCC
AGACTGTATGACCGGGATGTGGCTTCTGCAGCTCCAGAAAAGCAGAGAACCCTGCTGGC
CATGGCTCCAAGGAGGTGAAAGGCAAACTCACACTTACTATCAGGTGCTGATTGATGCT
CGTGACTGCCACATATATCTCAGAGATCTCAGACAGAAGCTGTGACCTTCTGGCTAAC
CATGATGACAGTCGGGCCCTCTATGCCATCCCAGGCTTGGACTATGTCAGCCATGAAGAC
ATCCTCCCTACACCTCCACTGATCAGGTTCCCATCCAACATGAACTCTTTGAAAGATTT
CTTCTGTATGACCAGACAAAAGCACCTCCTTTTGTGGCTCGGGAGACGCTAAGGGCCTGG
CAAGAGAAGAATCACCCCTGGCTGGAGCTCTCCGATGTTTCATCGGAAACAACACTGAGAAC
ATACGTGTCACTGTCATCCCCTTCTACATGGGCATGAGGGAAGCCAGAAATCCCACGTG
TACTGGTGGCGCTACTGTATCCGTTTGGAGAACCTTGACAGTGATGTGGTACAGCTCCGG
GAGCGGCACTGGAGGATATTCAGTCTCTCTGGCACCTTGAGACAGTGCGAGGCCGAGGG
GTAGTGGGCAGGAAACCAGTGTTATCCAAGGAGCAGCCTGCGTTCCAGTATAGCAGCCAC
GTCTCGCTGCAGGCTTCCAGTGGGCACATGTGGGCACGTTCCGCTTTGAAAGACCTGAT
GGCTCCCACTTTGATGTTTCGGATTCCCTCCCTTCTCCCTGAAAAGCAATAAAGATGAGAAG
ACACCACCTCAGGCCTTCACTGGTAG

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Clone variation with respect to NM_015584.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015584 unedited AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTCGGGCGGGACATGGCAG CCTGTACAGCCCGGGCGGGCCCTGGCCGTGGGCAGCCGCTGGTGGTCCCGGTGCTGACTG GGGCCCGGTGGCAAGGCCGCTCTGTGCGGGCGGCCGAGCTGGAGCCTTCTCGCCAGCGT CGACCACGACGACGCGGAGGCACCTCTCGTCCCGAAACCGACCAGAGGGCAAAGTGTGG AGACAGTTGGTGTGTTTGGGTGCCAAAACAGAATGAAAAATAGAGACCGGGCAGCTTT TCCTTCATAGCATTTTTGGCTACCGAGGTGTCGTCTGTTCCCTGGCAGGCCAGACTGT ATGACCGGGATGTGGCTTCTGCAGCTCCAGAAAAGCAGAGAACCCTGCTGGCCATGGCT CCAAGGAGGTGAAAGGCAAACTCACACTTACTATCAGGTGCTGATTGATGCTCGTGACT GCCACATATATCTCAGAGATCTCAGACAGAAGCTGTGACCTTCTGGCTAACCATGATG ACAGTCGGGCCCTCTATGCCATCCAGGCTTGGACTATGTCAGCCATGAAGACATCCTCC CCTACACCTCCACTGATCAGGTTCCCATCCAACATGAACCTTTTGAAGATTTCTTCTGT ATGACCAGACAAAAGCACCTCTTTTGGCTCGGGAGACGCTAAGGGCTGGCAAGAGA AGAATCACCCCTGGCTGGAGCTCTNCGATGTTTCATCGGAAAACAAGTGAACATACGTG TCACTGTATCCCCTTACATGGGCATGAGGGGAGCCANNATCCNACGTGTACTGGTG GGCTACTGTATCCGNTGGNAGATCCTGACAGTGTGTGTACAGCTCCGGGAGCGGCAC TGGNAGATATTAGTCTCTCTGGCACCTTGNAANTGCGAGCCCNAGGGTATTGGCAGG NAACANTGTATNCAGGAGCACCTGCGTTCATATNCANCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015584 unedited TTTGGCTTTTGACTTTCCACAGAGACTGGAATGCGTCAGCCTGAGACCCTGGCCTATTTT CTCAGTGCCTCTTGGAGTCTTTAACTCAAATCCCAGCTCCCACTGAGGTGTTG TGATGCTTGCCTTTTGGCTCCCATCCCCTTTAGTCCCTGCTTACTACTTTGACATTCA CATCCTCAGTGTCTCAGTCTTTTTTGGCGAGAAAGCACAGTAGTCTGGGACTGGGCAATTT ATCTTCTCTGACTGAAAATCTCTCCTTGGTCTTAAGGAAAATACTAACATTGAACTCACT GACATGATCTTAGCTTCTTAATCAGACTTTGTGACTTAAAAGTTTGGGGTTTTCTTTG AAAGTTTCCAGCCCTATTCAGAAAGCAACTCTTGGCTGTGTGCATTTTTCACTCCAAGC AGCCCAGGGGTAAAGTAAACAAAGTATGGATGAAGGTGAGATTTTCTTGTGAGTTTCTGAG AAACCTGNCAGCCTGCTGTTAACAACACAGGCCAGTATTGGGTTTTATTGAATTTGGTAT GTGACCAAGGTGCTGCTTANAGGATGGCGCANGTCTGNGCAGGAAAGAATTTCCCTTTA TCACATAACTGTATTTGGNTGCTCAGCATAAGTGATGGAAGCAACTACTCTCTAA TAAATNTGTGTAACCTCAATGTACAGAGCCATGNTACAGTGAAGCAGNCTTGACCAGCC TGCCGGCATGGGCTGAGTTCCTGTGCTNCTGTTTATCATCTGACCTTGTGTTCTACCCAG TCGTTAGCCGACTGACTGTTGCCCTGCAACCCAGTTCCTGTAGGACTAAGACACGA ATACAAGGCTGGAACGGGTTAATTTTATTCCAGAACTCCTCTACCATCCTGCATGGC CGGAGAAAGAAATCTAAGATTGGGCCGAATCACCCATTCACTTTTGGCTCTTGAATTG AGAAACCTACGAAGNCTTGCTTANTTTCAACTACCCAAGCGGCCCTACCAAATCTG CATTGGGTCGGACCTTGCAAAACAN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_015584
Insert Size:	3090 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_015584.2](#), [NP_056399.1](#)

RefSeq Size: 2703 bp

RefSeq ORF: 1107 bp

Locus ID: 26073

UniProt ID: [Q9Y2S7](#)

Cytogenetics: 17q11.2

Domains: DUF525

Gene Summary: This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit, as well as with proliferating cell nuclear antigen. The encoded protein maybe play a role in the ability of the replication fork to bypass DNA lesions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).