

Product datasheet for **SC335537**

POLDIP2 (NM_001290145) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLDIP2 (NM_001290145) Human Untagged Clone
Tag: Tag Free
Symbol: POLDIP2
Synonyms: p38; PDIP38; POLD4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC335537 representing NM_001290145.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

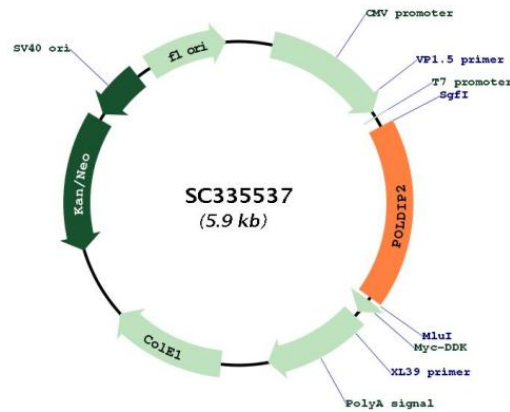
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GCCCGGTGGCCAAGGCCGCTCTGTGCGCGGCCGGAGCTGGAGCCTTCTCGCCAGCGTCGACCACGACG
ACGCGGAGGCACCTCTCGTCCCGAAACCGACCAGAGGGCAAAGTGTGGAGACAGTTGGTGTGTTTGGAG
GTGCCAAAACAGAATGAAAATATGAGACCGGGCAGGCCAGACTGTATGACCGGGATGTGGCTTCTGCA
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GACATCCTCCCCTACACCTCCACTGATCAGGTTCCCATCCAACATGAACTCTTTGAAAGATTTCTCTG
TATGACCAGACAAAAGCACCTCCTTTTGTGGCTCGGGAGACGCTAAGGGCCTGGCAAGAGAAGAATCAC
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ACAGTGGAGGCCGAGGGGTAGTGGCAGGGAACCACTGTTATCCAAGGAGCAGCCTGCGTTCAGTAT
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GGCTCCCACCTTTGATGTTTCGGATTCTCCCTTCTCCCTGGAAGCAATAAAGATGAGAAGACACCACC
TCAGGCCCTTCACTGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001290145

Insert Size: 1053 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_001290145.1](#)

RefSeq Size: 2699 bp

RefSeq ORF: 1053 bp

Locus ID: 26073

UniProt ID: [Q9Y2S7](#)

Cytogenetics: 17q11.2

MW: 39.9 kDa

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 (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.