

Product datasheet for **RC237643**

POLDIP2 (NM_001290145) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: POLDIP2 (NM_001290145) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: POLDIP2
 Synonyms: p38; PDIP38; POLD4
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC237643 representing NM_001290145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGCCTGTACAGCCCGCGGGCCCTGGCCGTGGGCAGCCGCTGGTGGTCCCGTCGCTGACTGGGG
 CCCGGTGGCCAAGGCCGCTCTGTGCGGGCGCCGGAGCTGGAGCCTTCTCGCCAGCGTCGACCACGACGAC
 GCGGAGGCACCTCTCGTCCCGAAACCGACCAGAGGGCAAAGTGTGGAGACAGTTGGTGTGTTTGGGTG
 CCAAAACAGAATGGAAAATATGAGACCGGGCAGGCCAGACTGTATGACCGGGATGTGGCTTCTGCAGCTC
 CAGAAAAAGCAGAGAACCTGCTGGCCATGGCTCCAAGGAGGTGAAAGGCAAACTCACACTTACTATCA
 GGTGCTGATTGATGCTCGTGACTGCCACATATATCTCAGAGATCTCAGACAGAAGCTGTGACCTTCTTG
 GCTAACCATGATGACAGTCGGGCCCTCTATGCCATCCCAGGCTTGGACTATGTCAGCCATGAAGACATCC
 TCCCCTACACCTCACTGATCAGGTTCCCATCCAACATGAACTCTTTGAAAGATTTCTTCTGTATGACCA
 GACAAAAGCACCTCCTTTTGTGGCTCGGGAGACGCTAAGGGCCTGGCAAGAGAAGAATCACCCCTGGCTG
 GAGCTCTCCGATGTTTCATCGGAAACAACCTGAGAACATACGTGTCAGTGTATCCCCTTACATGGGCA
 TGAGGGAAGCCAGAAATCCCACGTGTACTGGTGGCCTACTGTATCCGTTTGGAGAACCTTGACAGTGA
 TGTGGTACAGCTCCGGGAGCGGCACTGGAGGATATTCAGTCTCTCTGGCACCTTGGAGACAGTCCGAGGC
 CGAGGGGTAGTGGCAGGGAACAGTGTATCCAAGGAGCAGCCTGCGTTCCAGTATAGCAGCCACGTCT
 CGCTGCAGGCTTCCAGTGGGCACATGTGGGACAGTTCGCTTTGAAAGACCTGATGGCTCCCACTTTGA
 TGTTCCGATTCTCCCTTCTCCCTGGAAAGCAATAAAGATGAGAAGACACCACCCTCAGGCCCTCACTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237643 representing NM_001290145
Red=Cloning site Green=Tags(s)

MAACTARRALAVGSRWWSRSLTGARWPRPLCAAAGAGAFSPASTTTTRRHLSRNRPEGKVLQETVGVFEV
 PKQNGKYETGQARLYDRDVASAAPEKAENPAGHGSKEVKGKTHTYQVLIDARDCPHISQRSQTEAVTFL
 ANHDDSRALYAIPLDLYVSHEDILPYTSTDQVPIQHELFERFLLYDQTKAPPFVARETLRAWQEKHPWL
 ELSDVHRETTENIRVTVIPFYMGMREAQNSHVYWWRYCIRLENLSDVVQLRERHWRIFLSL SGTLETVRG
 RGVVGREPVL SKEQPAFQYSSHVSLQASSGHMWGTRFRFERPDGSHFDVRI PPF SLESNKDEKTPPSGLHW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

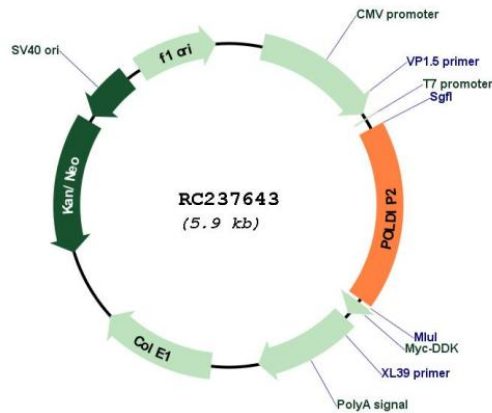
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290145

ORF Size: 1050 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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 , NP_001277074.1
RefSeq Size:	2699 bp
RefSeq ORF:	1053 bp
Locus ID:	26073
UniProt ID:	Q9Y2S7
Cytogenetics:	17q11.2
MW:	40.3 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]