

Product datasheet for **MC200555**

Poldip2 (NM_026389) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poldip2 (NM_026389) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Poldip2
Synonyms:	1300003F06Rik; Pdip38
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006833 sequence for NM_026389
 GGGCCTCGGGCGGACATGGCTGGTGTGTGGCCCGACGGGCCCTAGCAGTGGGCAGCCGCTGGTGGTCT
 CGGTGCGTGGCCACGACCCGAGGGTTCGAGGCCACTGTGTGCGGTGCGTGGAGCAGGGGGCCTCCGCGG
 TGGCCACAGCGACACCCGAAGGCATCTGTCTCCGGAACCGTGCAGAGGGCAAAGTGTGGAGACAGT
 TGGTGTGTTTGGAGTGCACAAAACAAAATGAAAAATATGAGACTGGGCAGCTATTCCTCCATAGTGTTTTT
 GGCTACCGAGGGTCTGCTCTGTTCCCTGGCAGGCCAGACTGTATGACCGGGATGGCTTCTGCAACTC
 CAGAAAAAGCAGAGAACCCTGCCGGCCATGGCTCTAAGGAGGTGAAAGGCAAACACTCACACTTACTACCA
 AGTGCTGATTGATGCCCGTGACTGCCACATATATCTCAGAGATCTCAGACAGAAGCTGTGACCTTTG
 GCTAACCATGATGACAGCCGGGCGCTCTATGCTATCCCAGGGTTGACTATGTCAGCCATGAAGACATCC
 TCCCTACACCTCCACGGATCAGGTTCCCATTAACACAGAGCTCTTTGAAAGATTTCTTCTGTATGACCA
 GACAAAAGCACCTCCTTTTGTGGCTCGAGAAACGCTGCGGGCCTGGCAAGAGAAGAATCACCCGTGGCTA
 GAGCTCTCTGACGTGCACAGGGAGACCACCGAGAACATCCGTGTCACAGTCATCCCTTTCTACATGGGCA
 TGAGGGAAGCCAGAATCCCACGTCTACTGGTGGCGCTATTGTATACGCTTGGAAAACCTGGACAGTGA
 TGTGTTACAGCTCCGGGAGCGGCACTGGCGGATATTCAGTCTCTCAGGGACCCTGGAAACAGTTCGAGGA
 CGAGGGGTGGTGGCAGGGAACAGTGTATCCAAGGAGCAGCCTGCATTCCAGTATAGCAGCCATGTTT
 CTCTGCAAGCTTCCAGTGGGCACATGTGGGACATTTGTTTTGAGAGACCCGGATGGCTCCCACTTTGA
 TGTCGGATCCCACCATTTCTCCTTGAAAGCAATAAAGATGAGAAGACCCACCCCTCAGGCCTTCACTGG
 TAGGCCAGCTGAGGCCAGGTTGGCCCTAAGAACAACAGCTCTCAACCCATAATTGCTGCAGAACTCTAA
 ACCTCTCCCTACTGTGAAATTTTTTTTGGAGGGAGATTGTAACTTTTCTTGAAGACCCACATAAGAC
 TCCTCCAAGGTTGGCCTTGGCCGCTGTCCAGGACACCAGTTCAGCAAAGCTGTGAGGAACTGTTTCA
 TTGTCCCATGTTTTCTGGAATGTGAGGTGGTCAATAAACAGTGTCACTTGGCCACCACGGCCATTT
 TTGTCTCCAGGGTCTCAGGCCCTTGTGGCCCTTTAGGAACTTTAGTTGCTTTTCATGCAAAGTTTC
 TTCTAGGGAGCTGCTGGCCCTGCTAGGGTGGCCCTTCTCAGAGGCTGGACATCTTGGGGCACTGGTAAC
 AGTGAGCAGCACTGGACTAAGTTCCGGGTCTCTACCCTCCGCCAGTGTAGAGGAGGCCAGTGTAGAG
 TTGGACTGACCTGACTATAGACACGGATTACCCACCAGCACTTCTGGTTTCACTAGGCCTGGAGAAGAGT
 GAGGCAAAACAGTCAGGTTTCTGGAACTGTGGGCTTCTGAGCATTGAGCAAAGCCTGTCAAGCATCCA
 GACCACAGGGGCAGGAATTCAGCCAAGAAGCAGCTTAAGTTATGGTCAGTGACCAAGTCAAGCTGCTTTT
 GGAGCTTCTTTCAGGCCAACAGGAGCCAGAGAATTGGACTGCATTTTGGCCAGGCTTAGGATTCCTTC
 ACCACTATAGTTACTGTTAGAGGTCCTTTCATTCTGCATTATTAATCTCAGTTCTAGTCAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026389

Insert Size: 1107 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: [BC006833](#), [AAH06833](#)

RefSeq Size: 1980 bp

RefSeq ORF: 1107 bp

Locus ID: 67811

UniProt ID: [Q91VA6](#)

Cytogenetics: 11 B5

Gene Summary: Involved in DNA damage tolerance by regulating translesion synthesis (TLS) of templates carrying DNA damage lesions such as 8oxoG and abasic sites. May act by stimulating activity of DNA polymerases involved in TLS, such as PRIMPOL and polymerase delta (POLD1).
[UniProtKB/Swiss-Prot Function]