

Product datasheet for **MC211464**

Poldip3 (NM_178627) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Poldip3 (NM_178627) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Poldip3
Synonyms:	1110008P04Rik; AA408269; AL022852; C77954; mKIAA1649; PDIP46; SKAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC211464 representing NM_178627
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGATCTCTCGCTGGACGAGCTCATCCGGAAGCGCGGGACGCGGCCAAGGGACGGCTCAGTGTCA
 GGCCAGGAATTGGAGGTGCCGGTCTCGAGTTGGAATCCAGCATAGTCTTGTAAACCAGCCAGCTCGCAC
 AGCCACCTTCCAGCAGAGATTTGACGCCCGACAGAAGATTGGGCTCTCAGATGCTCGGCTCAAGCTGGT
 GTCAAAGATGCCCGGAAAAGCTTTTGCAGAAAGACGCCCGTTTCGGATCAAAGGGAAAGTACAGGATG
 CCAGGGAGATGCTGAACCTCACGAAAGCAGCAGGGCACTGTGCCCCAGAAGCCCGCCAGGTGGTGATGC
 CCGGGAGAAGATCAGCTTGAAGAGGAGATCCCCTGCTGCGTTCACAAGCCCGCCATTGGGACTGTAACC
 CCAGCTCTGAAGCTACCAAACTATCCAGGTTCCACAGCAAAGGCCATGGTGCCACTTCATGCCCATC
 CTGCTGGAATGAGGATCAATGTTGTCAATAACCACCAGGCTAAACAGAATTGTATGACCTGGATGAAGA
 TGATGACATTGTGGTGCCTGTCCCTCCAAGCAGATGAAGTTTGCAGCCACGGGCAGCCTTGTTCCACC
 ATGACTGGACTGAGCAGTTCCAAGCTGTCCATGTCCAAGGCCCTCCCTCTCACAAGTGGTCCAGAATG
 ATGCCTACACCGCTCCTGTTCTCCCTCCTCTGTTTCAACCAAAGCCTTGACCAGCATGTCCCGGACGCT
 GGTGAACAAGGAGGAGCCTCCCAAAGAGCTGCCGCTGTGAGCCTGTGCTTAGCCCTTGGAAAGCACC
 AAGATGACCGTGAATAATCTGCACCCCGAGTCACAGAGGAGGACATAGTTGAGCTTTTCTGTGTGTG
 GCGCTCTCAAGCGGGCTCGACTGGTCCATCCTGGGGTAGCAGAAGTTGTCTTCTGTAAGAAGGATGACGC
 CATCACTGCTTATAAGAAGTACAATAACCGATGTCTGGATGGGCAACCTATGAAGTGAACCTTCACATG
 AATGAAAATGTATCACCTCAGACCAACCCATCCTGCTGCGGTTGAGTGACAGCCCTCAGTGAAAAGG
 AAAGCGAGCTGCCACGGAGGGGCAACCTGCCTTTCCAACCTCCTGCCGAAGTGACCCCTGACACCGT
 TCTCAGAGCGCTTTCAAGTCTCGGGGCTCTGTGACCACACAACCCACAGAATTCAAAATCAAACCT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_178627

Insert Size: 1263 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_178627.3](#), [NP_848742.1](#)

RefSeq Size: 3249 bp

RefSeq ORF: 1263 bp

Locus ID: 73826

UniProt ID: [Q8BG81](#)

Cytogenetics: 15 E1

Gene Summary: Is involved in regulation of translation. Is preferentially associated with CBC-bound spliced mRNA-protein complexes during the pioneer round of mRNA translation. Contributes to enhanced translational efficiency of spliced over nonspliced mRNAs. Recruits activated ribosomal protein S6 kinase beta-1 I/RPS6KB1 to newly synthesized mRNA. Involved in nuclear mRNA export; probably mediated by association with the TREX complex (By similarity).[UniProtKB/Swiss-Prot Function]