

Product datasheet for **MR213974**

Pdp2 (NM_001024606) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdp2 (NM_001024606) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdp2
Synonyms:	4833426J09Rik; Gm1705; mKIAA1348
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR213974 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCAAGTACTGTGTCCTACTGGATCTTCAATTCTGCAAGGAATCGTATTGCTCTTTTACGAGGTGGGA
 GACGCCTATACTCAAGGGCTGCCACAGTAGGAACCTGCTGAAGTGAGGCCCTTTTCTCCGGCATTGGC
 ATCATCAGCCCTCAAGTGTGTTCTCCACCTGGTGGCTTTGCCCTGCGGAAAGCCTACAGACACACATCA
 ACCGAGGAAGAGGATTTCCACCTACAGCTCAGCCCCGAACAGGTGAGTACCTGCTCCGAGCTGGCGAGT
 CATCCCACAAGGTCTTTGATTTCAACAACGGAGTACCAAATTCAGTGTTAAGGTTGAGAGCAACCAGCT
 GGCTGCCAATTCCTGTGGAGGACCGCAAGGTGGCTACCTGCGTCCAAACGAATGGGATGATGTTT
 GGTATTTTATGAGACACGGGGCCACGCGTGTGCGCAAGCGGTGAGTGAGAGGCTTTTCTACTACATGG
 CGGTGTCCTGATGTCCATCAGACCTTGGAGCAGATGGAGGAAGCAACGAAAACATGAAGCCTTTGCT
 GCCCATCTGCGTTGGCTCAAGCACCCCGGAGATAGTATTTATAAGGACGTACGTCCGTGCATCTGGAC
 CACCTCCGTGTCTATTGGCAGGAGCTCCTTGACCTGCATATGAAATGGGGCTGAGCATTGAAGAAGCAT
 TGATGTACTCCTTCCAGAGACTGGATTCTGACATCTCGCTAGAAATCCAGGCTCCTCTGGAAGATGAGGT
 AACGAGAACTTATCCCTCCAGGTTGCTTTCTCTGGGGCAACAGCCTGCATGGCCACGTCAATGGAGTT
 CACCTGCATGTAGCAATGCTGGTACTGCCGGCTATCCTCGGTGTCCAGGAAGAAAACGGTGCCTGGT
 CATGTTTACCTTTACCTGTGACCACAACGCCTGGAATGAGGCTGAGCTGTCCCGGCTTAAGAGGGAACA
 CCCCAGTCCGAGGACAGGACTCATCATAGACGACAGGCTTCTGGGTGCTCATGCCCTGCAGGGCC
 TTCCGGGATGCCAGCTAAAGTGGAGCAAGAGCTGCAGCGGAATGTCTCGAAGGGGCTTTGATACGG
 AGGCCCTCAACATCTACCAGTTTACCCCGCCCACTACTACACTCCACCCTACCTGACTGCCAAACCTGA
 GGTACCTACCACAGGCTAAGGCGCCAGGATAAGTTCTGGTGTGCGCTCAGATGGCCTGTGGGACATG
 CTGGGGAAATGAGGACGTGGTGGGCTGGTGGTGGGCACTGTCCAAGGTGGGTGCGCATAAGCCGGACC
 TGGACCAAGACCAGCCAACCTAGGCTCATGCAGAGCCTGCTGCTGCAGAGGAAAGCCAGTGGACTCCA
 TGCGGCTGACCAGAACACAGCCACGCATCTGATCAGACACGCCATCGGGAGCAACGAGTACGGGAGATG
 GAGCCGGAGCGGCTGGCTGCCATGCTGACACTGCCAGAGGATGTGGCCAGGATGTACCGGATGATATCA
 CTGTCATGGTGGTGTTTTTAACTCTGATTCAATTGATACCTACTGTAAGAGGGT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR213974 protein sequence
 Red=Cloning site Green=Tags(s)

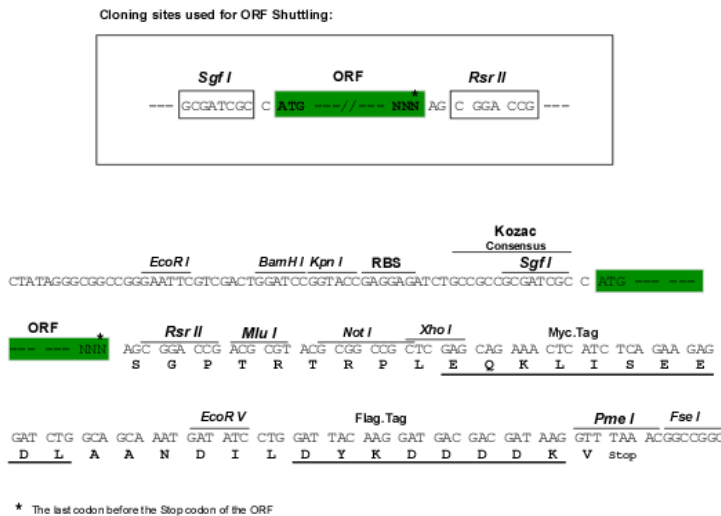
MSSTVSYWIFNSARNRIALLRGGRRLYSRAATSRNLLKWRPFSPALASSALKCGSPPGGFALRKAYRHTS
 TEEEDFHLQLSPEQVSDLLRAGESSHKVLDNFNGVPNSVLRFEQNQLAANSPVEDRQGVATCVQTNMGMF
 GIFDGHGGHACAQAVSERLFYMAVSLMSHQTLQMEEAATENMKPLLPILRWLKHPPGDSIYKDVTSVHLD
 HLRVYQWELLDLHMENGLSIEEALMYSFQRLDSDISLEIQAPLEDEVTRNLSLQVAFSGATACMAHVNGV
 HLHVANAGDCRAILGVQEENGAWSCPLTCDHNAWNEAELSRKREHPESEDRTLIIIDRLLGVLMP CRA
 FGDVQLKWSKELQRNVLARGFDTEALNIYQFTPPHYTTPPYLTAKEVTVYHRLRRQDKFLVLASDGLWDM
 LGNEDVVRLVVGHLKSVGRHKPDLQRPANLGLMQSLLLQRKASGLHAADQNTATHLIRHAIGSNEYGEM
 EPERLAAMLTLPEDEVARMYRDDITVMVVFNSDSIDTYCKEG

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001024606

ORF Size: 1599 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:**
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_001024606.2](#)

RefSeq Size: 3514 bp

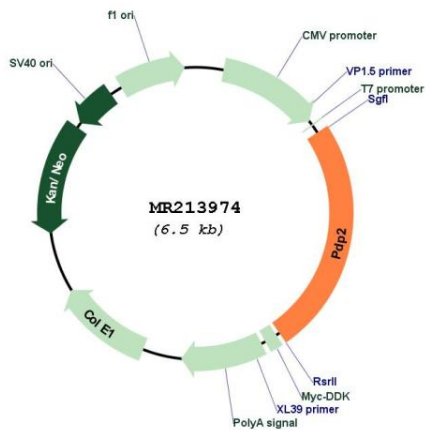
RefSeq ORF: 1599 bp

Locus ID: 382051

Cytogenetics: 8 D3

MW: 59.9 kDa

Product images:



Circular map for MR213974