

Product datasheet for **MR210658**

Pdxdc1 (NM_053181) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdxdc1 (NM_053181) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdxdc1
Synonyms:	2210010A19Rik; AA415817; Kiaa0251-hp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR210658 representing NM_053181
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGCGTCCCTGGAGAAGATAGCAGACCCTACATTAGCTGAAATGGGAAAAAATTGAAAGAGGCGA
 TCGCGATGCTGGAGAAGAGCCCGAGAAGAACAGAGGAGGAAAATGGAAAGAAGCCAGTATCTGAGGATAT
 TCCAGGGCCACTCCAAGGCAGTGGACAAGATATGGTGAGCATCCTCCAGTTAGTTCAAAACTGATGCAT
 GGAGATGAAGATGAGGAGCCCCAGAGCACCCGAATCCAAAATATTGGAGAGCAAGGTCACATGGCTTTGT
 TGGGTCATAGCCTCGGTGCCTATATTTCAACTCTGGATAAAGAGAAGCTGAGAAAGCTCACAAACCAGGAT
 ACTTTCCAGACACTACCTTATGGCTACGCCGATTTTCAGGTACGAAAATGGATGTGCATATTTCCACGAG
 GAAGAGAGGGAAGGACTTGCTAAGATCTGTAGGCTTGCCATTCTTCGCTATGAAGACTTTGTTGTAG
 ATGGATTCAACGTGTTATATAACAAAAAGCCTGTCATATATCTTAGTGCTGCCGTAGACCTGGCCTGGG
 CCAATACCTTTGTAATCAGCTTGGCTTACCCTTCCCCTGCCTGTGCCGTGTGCCCTGTAACACTATGTTT
 GGATCCCAGCATCAGATGGACGTTGCCTTTCTCGAGAAACTGATCAAAGATGACGTAGAAAAGAGGAAAGC
 TGCCCTTGCTGCTTGTGCAAAATGCTGGAAGTGCAGCAGTTGGACACACAGACAAGATTGGACGTTTGAA
 GAACTCTGTGAGCAGTACGGCATTGGCTTTCATGTGGAAGGTGTGAATCTGGCAACATTGGCTCTAGGT
 TATGTCTCCTCATCTGTGCTGGCTGCAACCAAGTGCATAGCATGACACTAACTCCTGGCCTATGGCTAG
 GTTTGCCAGCTGTTCTCGAGTGACACTCTACAAACATGACGATCCTGCCTTGACACTAGTTGCTGGTCT
 TACATCAAATAAGCCTGCAGACAACTCCGAGCCCTACCACTCTGGTTGTCTCTACAGTACTTGGGACTT
 GATGGCATTGTGGAGAGAATAAAGCATGCTTGTATCTGAGTCAACGGTTGCAAGAAAGTTGAAGAAAG
 TGGACCACATCAAATCTTGGTGAAGATGAGCTCAGTTCTCCAGTAGTGGTGTTCAGTTTTTCCAGGA
 ATTACCAGCCTCAGATTCAGCGTTTAAAGCTGTTCCCTGTATCCAACATAGCACCTGCAGCAGTTGGCCGG
 GAAAGACTCCTGTGATGCACTGAACCCTGGTTGGGTGAACAGTTGAAACAGTTGGTGCCTCAGTGTG
 GCCTCACTGTCATAGACCTGGAGGTAGATGGCACATGTGTTTCGGTTCAGCCCTCTGATGACAGCAGAAGG
 GTTAGGAACTCGAGGAGAGGATGTCGATCAGCTCATTACCTGCATCCAAAGCAAACCTACCAGTCTGACC
 TGCACACTACAGCTTCGGGAAGAATTCAAGCAGGAGGTAGAGGGGACAGCAGGGCTCCTGTATGTTGATG
 ACCCCAACCTGGCCTGGAATCGGGGTTGTCAGGTATGAGCATGCGAATGATGATGACACCAGTTTGAATC
 TGATCCAGAGGGGAAAAAATACACACTGGACTTCTGAAAAAGTTAAATGAACTGGAATCTGACCTCACA
 TTTAAAAATAGGCCCTGAGTACAAAAGCATGAAGAGCTGCATTTACATTGGCATGGCAAGTATGATGTGG
 ACGTTTCTGAGCTAGTGGAGACCATTGCAGTACAGCCCGGAAATTGAGGAGAAGTCAAGGCTTCTAGA
 GAACATGACAGAAGTTGTTTCGGAAGGGAATTCAAGGAGGCACAGGTTACAGTACAGAAGGCAAATGAGGAG
 CGGCTTCTGGAAGAGGGAGTGTTCGGGCAAAATCCCTGTAGTAGGATCCGTGCTGAATTTGGTTTTCTCCAG
 TCCAGGCTTACAGAAGGGAAGAAGTTTAACTTAACAGCAGGCTCTCTGGAGTCCACAGAATACACCTA
 TGTCCACAAAGTACAAGTACTGGGGTACACCACCTCCCACACCCTAGGCACTCGAAGCAAACAGAGG
 CTTCCAGGTCAGAAGCCTTTTAAAGGTCCCTGAGAGGCTCGGATGCTGTGAGTGAAGCAGCTCAGTCA
 GCCACATTGAAGACCTGGAAGGTTGGAACAGCTGTCCAGTGGCTAGAGCATGACAACCTAGAGGCCCA
 CAGCCCTGAGCAGCCTCCAGGGCCACTGATCTCACGGCCAGACAGACTGAGGCCCTGCAGAACCAGGCC
 CAGCATCAGGAAGATGACCATTACAGGTAGAGGAACTGGAGCGCTTAAGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210658 representing NM_053181
Red=Cloning site Green=Tags(s)

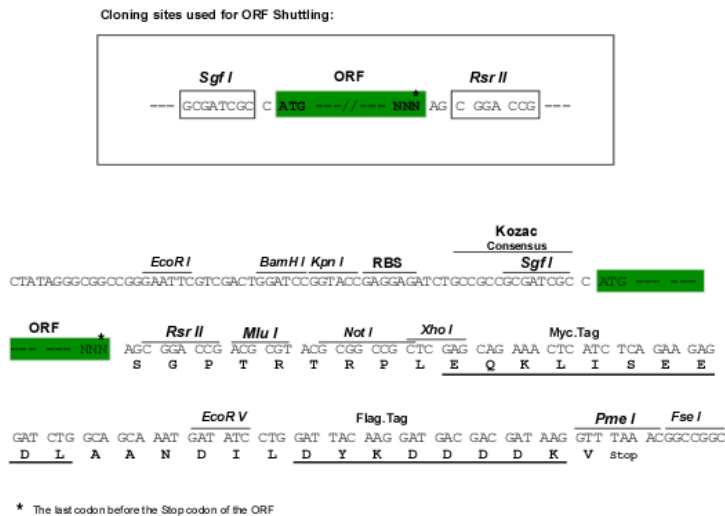
MDASLEKIADPTLAEMGKNLKEAMRMLEKSPRRTTEEENGKPKVSEDIPGPLQGSGQDMVSILQLVQNLMH
GDEDEEPQSTRIQNIQEQGHMALLGHSLGAYISTLDKEKLRKLTTRILSDTTLWLRRIFRYENGCAFYHE
EEREGLAKICRLAIHSRYEDFVVDGFNLYNKKPVIYLSAAARPGLGQYLCNQLGLPFPCLCRVPCNTMF
GSQHQMDFVAFLEKLIKDDVERGRLLPLLVANAGTAAVGHTDKIGRLKELCEQYGIWLHVEGVNLATLALG
YVSSSVLAATKCDMSMLTPGLWLGLPAVPAVTLYKHDDPALTLVAGLTSNKPADKLRALPLWLSLQYLGL
DGIVERIKHACHLSQRLQESLKKVDHIKILVEDELSSPVVFRFFQELPASDSAFKAVPVSNIAPAAVGR
ERHSCDALNRWLGEQLKQLVPQCGLTVIDLEVDGTCVRFSPLMTAEGLGTRGEDVDQLITCIQSKLPVLT
CTLQLREEFKQEVEGTAGLLYVDDPNWPGIGVVRYEHANDDTSLKSDPEGEKIHTGLLKKLNELESDLT
FKIGPEYKSMKSCIYIGMASDDVDVSELVETIAVTAREIEENSRLLENMTEVVRKGIQEAQVQLQKANE
RLLLEEGVLRQIPVVGSVLNWFSPVQASQKGRSFNLTAGSLESTEYTYVHKVQGTGVTPPPPTPLGTRSKQR
LPGQKPFKRSLRGSDAVSETSSVSHIEDLEKVEQLSSGLEHDNLEAHSPEQPPRATDLTARQTEALQNQA
QHQEDDHSQVEELERLR

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_b11.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:



ACCN: NM_053181

ORF Size: 2361 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_053181.3](#), [NP_444411.2](#)

RefSeq Size: 3233 bp

RefSeq ORF: 2364 bp

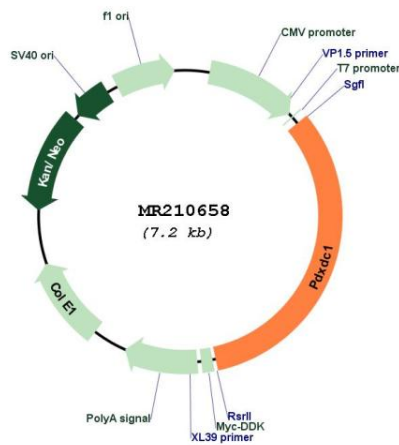
Locus ID: 94184

UniProt ID: [Q99K01](#)

Cytogenetics: 16 A1

MW: 87.3 kDa

Product images:



Circular map for MR210658