

Product datasheet for **RC239336**

PDXDC1 (NM_001285448) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDXDC1 (NM_001285448) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDXDC1
Synonyms:	LP8165
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239336 representing NM_001285448
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGAAAAA**ACTTGAAGGAGGCAGTGAAGATGCTGGAGGACAGTCAGAGAAGAACAAGAGGAAAATG**
GAAAGAAGCTCATATCCGGAGATATTCCAGGCCACTCCAGGGCAGATATGAAAA**TGGGTGTGCTTATTT**
CCACGAAGAGGAAAGAGAAGGACTTGCAAAGATATGTAGGCTTGCCATTCATTCTCGATATGAAGACTTC
GTAGTGGATGGCTTCAATGTGTTATATAACAAGAAGCCTGTCATATATCTTAGTGTCTGCTAGACCTG
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TGTGTTTGGATCCAGCATCAGATGGATGTTGCCTTCTGGAGAACTGATTAAGATGATATAGAGCGA
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GATTGAAAGA**ACTCTGTGAGCAGTATGGCATATGGCTTCATGTGGAGGGTGTGAATCTGGCAACATTGGC**
TCTGGGTTATGTCTCCTCATCAGTGTGGCTGCAGCCAAATGTGATAGCATGACGATGACTCCTGGCCCG
TGCTGGGTTTGGCAGCTGTTCCCTGCGGTGACACTGTATAAACACGATGACCCTGCCTTGACTTTAGTTG
CTGGTCTTACATCAAATAAGCCACAGACAA**ACTCCGTGCCCTGCCTCTGTGTTATCTTTACA**ACTT
GGGACTTGATGGGTTTGTGGAGAGGATCAAGCATGCCTGTCAACTGAGTCAACGGTTGCAGGAAAGTTTG
AAGAAAGTGAATTACATCAAATCTTGGTGAAGATGAGCTCAGCTCCCAAGTGGTGGTTCAGATTTT
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CAGCAGTTTTAGGA**ACTCGGGGAGAGGATGTGGATCAGCTCGTAGCCTGCATAGAAAGCAA**ACTGCCAGT
GCTGTGCTGTACGCTCCAGTTCAGTGAAGAGTTCAAGCAGGAAGTGAAGCAACAGCAGGTCTCCTATAT
GTTGATGACCCTAACTGGTCTGGAATAGGGTGTGAGGTATGAACATGCTAATGATGATAAGAGCAGTT
TGAAATCAGATCCCGAAGGGGAAAACATCCATGCTGGACTCCTGAAGAAGTTAAATGA**ACTGGAATCTGA**
CCTAACCTTTAAATAGGCCCTGAGTATAAGAGCATGAAGAGCTGCCTTTATGTCGGCATGGCGAGCGAC
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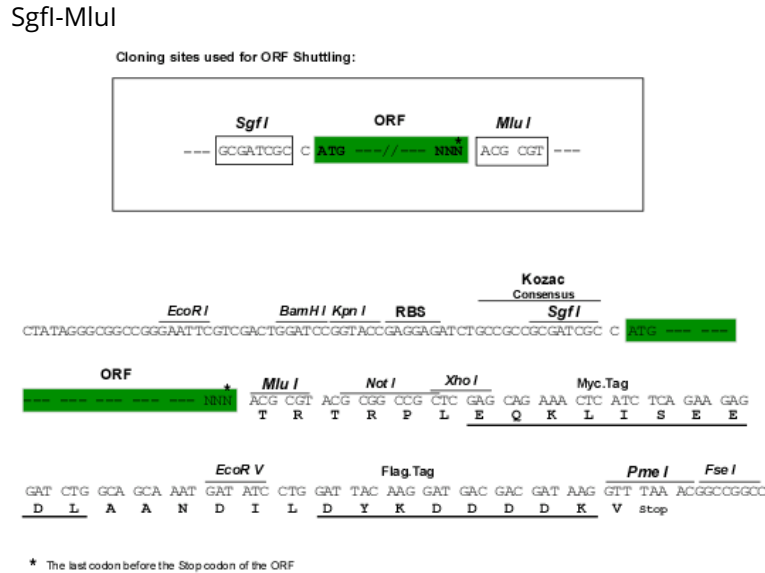
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence: >RC239336 representing NM_001285448
 Red=Cloning site Green=Tags(s)

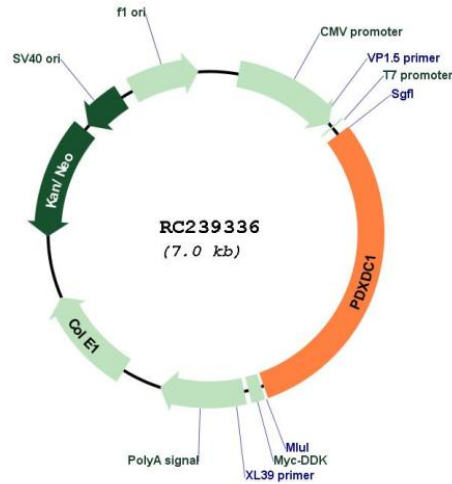
MGKNLKEAVKMLEDSQRRTTEENGKKLISGDIPGPLQGRYENGCAVFHEEEREGLAKICRLAIHSRYEDF
 VVDGFNVLYNKKPVIYL SAAARPGLGQYLCNQLGLFPFCLCRVPCNTVFGSQHQMDVAFLEKLIKDDIER
 GRLPLLLVANAGTAAVGHDTKIGRLKELCEQYGIWLHVEGVNLTALALGYVSSSVLAAAKCDSMTMPGP
 WLGLPAVPAVTL YKHDDPAL TLVAGLTSNKPTDKLRALPLWLSLQYLGLDGFVERIKHACQLSQRLQESL
 KKVNYIKILVEDELSSPVVFRFFQELPGSDPVFKAVPVNMTPSGVGRERHSCDALNRWLGEQLKQLVP
 ASGLTVMLEAEGTCLRF SPLMTAAVLGTRGEDVDQLVACIESKLPVLCCTLQLREEFKQEVEATAGLLY
 VDDPNWSGIGVVRYEHANDKSSLSKSDPEGENIHAGLLKKLNELESDLTFKIGPEYKSMKSLYVGMASD
 NVDAAELETIAATAREIEENSRLLENMTEVVRKGIQEAQVELQKASEERLLEEVLRQIPVVGSVL NWF
 SPVQALQKGRTFNL TAGSLESTEP IYVYKAQGAGVTL PPTPSGSRKQRLPGQKPFKRSRLRGS DALSETS
 SVSHIEDLEKVERLSSGPEQITLEASSTEGHPGAPSPQHTDQTEAFQKGVPHPEDDHSQVEGPESLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
Cloning Scheme:



Plasmid Map:



ACCN: NM_001285448

ORF Size: 2091 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_001285448.1](#), [NP_001272377.1](#)

RefSeq Size: 4498 bp

RefSeq ORF: 2094 bp
Locus ID: 23042
UniProt ID: Q6P996
Cytogenetics: 16p13.11
MW: 77 kDa