

Product datasheet for **MR223324**

Pdcl3 (NM_026850) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Pdcl3
Synonyms:	1110061A19Rik; C80025; Viafl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR223324 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGGACCCCAATGCAGACACCGAGTGGAATGACATCCTACGTAAAAAGGGCATCCTTCCCCGAAGG
AGAGCCTGAAGGAGCTGGAGGAGGAGGAGCGGAGAAGGAGGAGCAGCTCCTCCAGCAGTCAGTGGTGAA
AACATACGAGGACATGACTCTGGAAGAGCTGGAGGAGAACGAGGATGAGTTCAGTGAGGAGGATGAACGA
GCTATCGAGATGTACCGCAACAGAGGTTGGCTGAGTGGAAGCAACTCAGCTGAAGAACAATTTGGAG
AAGTTTTAGAGATCTCAGGAAAGGACTATGTTCAAGAAGTTACGAAAGCCGGCGAGGGCCTGTGGGTGAT
CTTACACCTGTACAAACAAGGGATTCCCCTCTGTTCTTGATAAACCATCACTTGAGTGGACTCGCCAGG
AAGTTTCCCGATGTGAAATTTATCAAAGCCATTCAACGACCTGCATACCCAACCTACCCGACAGGAATC
TCCCACGGTGTTCTGCTACCGGGAAGGGGATATCAAGGCACAGTTCATTGGTCTCTGGTGTTCGGTGG
CATGAACCTGACCATAGACGAGTTGGAGTGGAAGTGTCTGAGTCAGGAGCGATCAAGACAGCCCTGGAG
GAGAACCCCAAGAAGCTCATCCAGGACCTGCTGCTGTCTCAGTCCGGGGCCCTGTCCCATGAGGAGGG
ACAGTGATTCTGAGGACGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR223324 protein sequence
 Red=Cloning site Green=Tags(s)

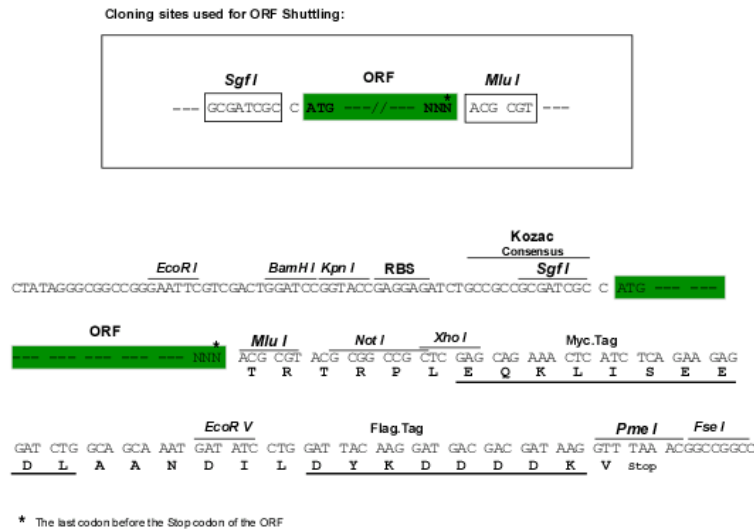
MQDPNADTEWNDILRKKGILPPKESLKEEEEEAEKEEQLLQQSVVKTYEDMTLEEENEDEFSEEDER
 AIEMYRQQRRLAEWKATQLKNKFGEVLEISGKDYVQEVTKAGEGLWVILHLYKQGIPLCSLINHLSGLAR
 KFPDVKFIKAISTTCIPNYPDRNLPTVFVYREGDIKAQFIGPLVFGGMNLTIDELEWKLSESGAIKTALE
 ENPKKLIQDLLSSVRGPVPMRRDSDSEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_026850

ORF Size:

720 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:

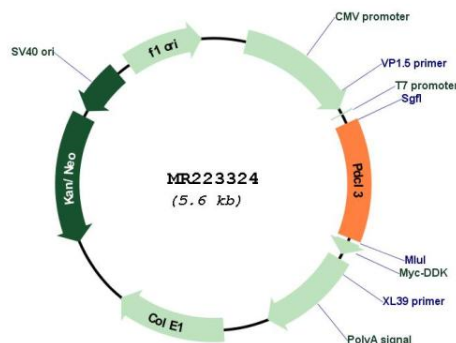
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_026850.1</u>
RefSeq Size:	1706 bp
RefSeq ORF:	723 bp
Locus ID:	68833
UniProt ID:	<u>Q8BVF2</u>
Cytogenetics:	1 B
MW:	27.6 kDa
Gene Summary:	Acts as a chaperone for the angiogenic VEGF receptor KDR/VEGFR2, controlling its abundance and inhibiting its ubiquitination and degradation. Modulates the activation of caspases during apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223324