

## Product datasheet for **MR223911**

### **Plxdc1 (NM\_028199) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Plxdc1 (NM_028199) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plxdc1
Synonyms:	2410003I07Rik; AI848450; Tem7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR223911 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGAGCTCAGCTCTGTTGCTGCAGTTGCTGCTACTCCGCGGGCCGCGCGCGCTCAGTCCCACAA  
 CACCCGCAGGTACAATGAAGGTCAAGACTCTGCATGGACTGCCAAGAGGACCAGGCAAGGCTGGAGTCG  
 GAGACCCCGAGAGAGCCCGCGCAGGTGTTGAAGCCAGGCAAGACCCAGCTAAGCCAGGACTTGGGTGGG  
 GGCTCCCTGGCCATCGACACACTCCGGACAACAGGACTCGGGTGGTGGAGGACAACCATAACTACTACG  
 TGTCCCGTGTCTACGGCCCTGGTGAAGAACGAAGCCAGGATCTGTGGTGGACCTGGCTGTGCCAACCG  
 GAGTCATGTGAAGATCCACAGGATCCTCTCCAGTTCTCACCGACAGGCTTCAAGAGTGGTCTTGCCTTT  
 GATTTCCCTTTCTATGGGCATCCTCTGCGGCAGATCACCATAGCAACCGGAGGCTTCATCTTCATGGGG  
 ACATGCTCACCGGATGCTCACAGCTACGCAGTATGTGGCACCCCTGATGGCCAACCTCAACCCCGGCTA  
 CTCTGACAACCTCCACGGTTGCTTACTTTGACAATGGGACCGTTTTTGTGGTTCAGTGGGATCATGTTAC  
 CTCAGGACCGGGAGGACAGGGGAGCTTACCTTCCAGGCGGCCCTACACCGAGATGGCCGATTGTCT  
 TCGGCTACAAAGAGATCCCCATGGCTGTCTGGATATCAGCCCTGCCAGCACCTGTCAAGGCAGGCT  
 GTCGACGCTTTTCATGATTCTCAATTCATCCCCAGAGGTGCCAGAGTCTCAGAGACGGACCATTTTCGAA  
 TACCACCGTGTGGAAGTGGACTCCAGCAAGATCACCACCCTCGGCCGTGGAGTTCACCCCGTTGCCAA  
 CCTGCCTCCAGCATCAGAGTTGCGACACCTGCGTGTCTCGAATCAACCTTCAACTGCAGCTGGTGCCA  
 TGTCTGCAGAGGTGTTCCAGTGGCTTTGACCGATACCGCAAGAATGGCTGACCTACGGCTGTGCCAG  
 GAGGCAAGAGGCAAGACATGCGAGGACTCCAGGATGATAGCCACTACTCAGCCTCCCCTGACAGCTCCT  
 TCAGCCCTTTAATGGCGACTCCACTACCTCTTCTCCCTTTTATTGACAGCCTCACACAGAAGATGA  
 CACCAAGTTGAATCCCTACGCAGAAGGAGACGGCCTTCCGGACCACTCATCTCCGAAGTCCAAGGTCCT  
 CCCGTGCACCTGGGACCATCGTGGGTATCGTGTCTGCTGTACTCCTGGTAGCGGCATCATCTGGCTG  
 GGATTTACATCAGTGGCCACCCTAATTCGAATGCTGCACTCTTCTTCATCGAGCGGAGACCTCACCACTG  
 GCCAGCCATGAAGTTCATAACCAACCCCAACCACTCTACCTACACCGAGGTAGAGCCCTCCGGGCACGAG  
 AAGGAAGGCTTCGTGGAGCCGAGCAGTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223911 protein sequence  
 Red=Cloning site Green=Tags(s)

MRAQLWLLQLLLL RGAARALSPATPAGHNEGQDSAWTAKRTRQGWSSRRPRESPAQVLKPGKTLQSQDLGG  
 GSLAIDTLPDNRTRVVEDNHNYVSRVYGPGEKRSQDLWVDLAVANRSHVKIHRILSSSHRQASRVVLSF  
 DFPFYGHPLRQITIAATGGFIFMGDMLHRMLTATQYVAPLMANFNPGYSDNSTVAYFDNGTVFVQWDHVV  
 LQDREDRGSFTFQAALHRDGRIVFGYKEIPMAVLDISPAQHPVKAGLSDAFMILNSSPEVPESQRRITFE  
 YHRVELDSSKITTSAVEFTPLPTCLQHQCSDTCVSSNLTFNCSWCHVLQRCSSGFDRYRQEWLTYGCAQ  
 EAEGKTCEDFQDDSHYSASPSSSPFNQDSTTSSSLFIDSLTTEDDTKLNPYAEGDGLPDHSSPKSKGP  
 PVHLGTIVGIVLAVLLVAAIILAGIYISGHPNSNAALFFIERRPHHPAMKFHNHPNHSTYTEVEPSGHE  
 KEGFVEAEQC

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_028199

**ORF Size:** 1503 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\\_028199.1](#), [NM\\_028199.2](#), [NM\\_028199.3](#), [NP\\_082475.3](#)

**RefSeq Size:** 2901 bp

**RefSeq ORF:** 1503 bp

**Locus ID:** 72324

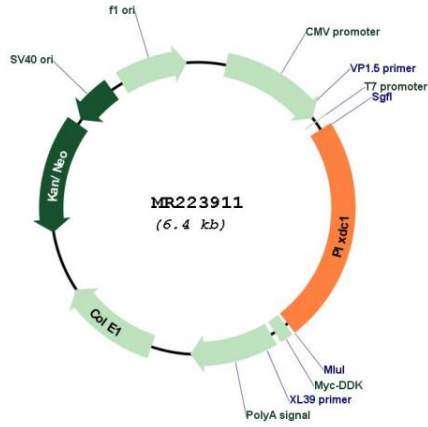
**UniProt ID:** [Q91ZV7](#)

**Cytogenetics:** 11 D

**MW:** 55.7 kDa

**Gene Summary:** Plays a critical role in endothelial cell capillary morphogenesis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR223911