

Product datasheet for **MG223911**

Plxdc1 (NM_028199) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plxdc1 (NM_028199) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plxdc1
Synonyms:	2410003I07Rik; AI848450; Tem7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223911 representing NM_028199
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGAGCTCAGCTCTGTTGCTGCAGTTGCTGCTACTCCGCGGGCCGCGCGCGCTCAGTCCCACAA
 CACCCGCAGGTACAATGAAGGTCAAGACTCTGCATGGACTGCCAAGAGGACCAGGCAAGCTGGAGTCG
 GAGACCCCGAGAGAGCCCGCGCAGGTGTTGAAGCCAGGCAAGACCCAGCTAAGCCAGGACTTGGGTGGG
 GGCTCCCTGGCCATCGACACACTCCGGACAACAGGACTCGGGTGGTGGAGGACAACCATAACTACTACG
 TGTCCCGTGTCTACGGCCCTGGTGAAGAACGAAGCCAGGATCTGTGGTGGACCTGGCTGTGCCAACCG
 GAGTCATGTGAAGATCCACAGGATCCTCTCCAGTTCTCACCGACAGGCTTCAAGAGTGGTCTTGCCTTT
 GATTTCCCTTTCTATGGGCATCCTCTGCGGCAGATCACCATAGCAACCGGAGGCTTCATCTTCATGGGG
 ACATGCTCACCGGATGCTCACAGCTACGCAGTATGTGGCACCCCTGATGGCCAACCTCAACCCCGGCTA
 CTCTGACAACCTCCACGGTTGCTTACTTTGACAATGGGACCGTTTTTGTGGTTCAGTGGGATCATGTTAC
 CTCAGGACCGGGAGGACAGGGGAGCTTACCTTCCAGGCGGCCCTACACCGAGATGGCCGATTGTCT
 TCGGCTACAAAGAGATCCCCATGGCTGTCTGGATATCAGCCCTGCCAGCACCTGTCAAGGCAGGCT
 GTCGACGCTTTTCATGATTCTCAATTCATCCCCAGAGGTGCCAGAGTCTCAGAGACGGACCATTTTCGAA
 TACCACCGTGTGGAAGTGGACTCCAGCAAGATCACCACCCTCGGCCGTGGAGTTCACCCCGTTGCCAA
 CCTGCCTCCAGCATCAGAGTTGCGACACCTGCGTGTCTCGAATCAACCTTCAACTGCAGCTGGTGCCA
 TGTCTGCAGAGGTGTTCCAGTGGCTTTGACCGATACCGCAAGAATGGCTGACCTACGGCTGTGCCAG
 GAGGCAAGGCAAGACATGCGAGGACTCCAGGATGATAGCCACTACTCAGCCTCCCCTGACAGCTCCT
 TCAGCCCTTTAATGGCGACTCCACTACCTCTTCTCCCTTTTATTGACAGCCTCACCAGCAAGATGA
 ACCAAGTTGAATCCCTACGCAGAAGGAGACGGCCTTCCGGACCACTCATCTCCGAAGTCCAAGGTCTCT
 CCCGTGCACCTGGGACCATCGTGGGTATCGTGTCTGCTGTACTCCTGGTAGCGGCATCATCTGGCTG
 GGATTTACATCAGTGGCCACCCTAATTCGAATGCTGCACTCTTCTTCATCGAGCGGAGACCTCACCCTG
 GCCAGCCATGAAGTTCCATAACCACCCCAACCCTCTACCTACACCGAGGTAGAGCCCTCCGGGCACGAG
 AAGGAAGGCTTCGTGGAGCCGAGCAGTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223911 representing NM_028199
 Red=Cloning site Green=Tags(s)

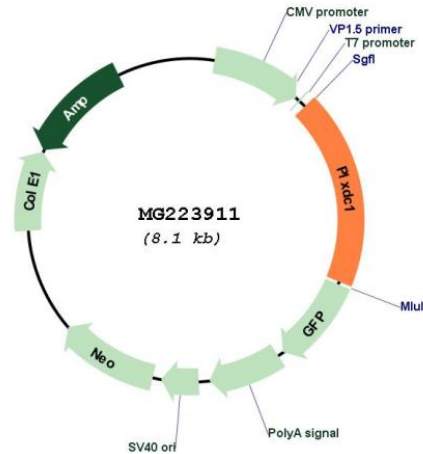
MRAQLWLLQLLLL RGAARALSPATPAGHNEGQDSAWTAKRTRQGWSSRRPRESQAQVLKPGKTLQSQDLGG
 GSLAIDTLPDNRTRVVEDNHNYYVSRVYGPGEKRSQDLWVDLAVANRSHVKIHRILSSSHRQASRVVLSF
 DFPFYGHPLRQIT IATGGFIFMGDMLHRMLTATQYVAPLMAFNPGYSDNSTVAYFDNGTVFVQWDHVV
 LQDREDRGSFTFQAALHRDGRIVFGYKEIPMAVLDISPAQHPVKAGLSDAFMILNSPEVPESQRRITFE
 YHRVELDSSKITTTSVEFTPLPTCLQHQSCTVCVSSNLTFNCSWCHVLQRCSSGFDYRQEWLTYGCAQ
 EAEGKTCEDFQDDSHYSASPSSSPFNGDSTTSSSLFIDSLTTEDDTKLNPYAEGDGLPDHSSPKSKGP
 PVHLGTIVGIVLAVLLVAIILAGIYISGHPNSNAALFFIERRPHHPAMKFHNHPNHSTYTEVEPSGHE
 KEGFVEAEQC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_028199

ORF Size: 1500 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_028199.3](#), [NP_082475.3](#)

RefSeq Size: 2901 bp

RefSeq ORF: 1503 bp

Locus ID: 72324

UniProt ID: [Q91ZV7](#)

Cytogenetics: 11 D

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