

Product datasheet for **MR208495**

Plxdc2 (NM_026162) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plxdc2 (NM_026162) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plxdc2
Synonyms:	1200007L24Rik; 5430431D22Rik; A1646728; AU022916; AV231634; Tem7r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208495 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAGTTCTGGAGGCGCACTGGCCGAGCAGGAGTTATGTTACTTTGTCACTTTTTAACAGACC
 GGTTCAGTTCGCCACGGGGAGCTGGACACCATAACCAATGATTGGATTATGAAGTTACAACCGCTTT
 TCCTTGGAATGAAGAGGGGTAGAAAGTGGACTCTCAAGCATACAACCACAGGTGAAAAAGAAATGTGGAC
 CCTTTAAGGCAGTAGACACAAACAGAGCCAGCATGGGCCAAGCCTCTCCAGAGTCCAAAGGGTTCAGT
 ACCTGCTACTGGATGACGGACAGGACAATAACACCCAGATAGAGGAGGACACGGATCACAATTACTACAT
 TTCTCGGATATATGGTCCAGCGGATTCTGCCAGCCGGATCTGTGGTTAACATAGACCAATGGAAAA
 GACAAAGTGAAGATTCACGGGACTTTCCAACACTCATCGCAAGCTGCAAGAGTGAATCTGTCCTTCG
 ATTTTCCATTTTATGGTCATTTTCTAAATGAAGTCACTGTGGCAACTGGGGTTTCATATATACTGGAGA
 AGTTGTACATCGAATGCTCACAGCTACACAGTATATAGCTCCTTAAATGGCAAATTTTGATCCCAGTGTA
 TCAGAAAATCAACTGTCAGATATTTTGATAATGGCACAGCTCTGTTGTCCAGTGGGACCATGTCCACC
 TGCAGGATAATTACAACCTGGGAAGCTTACATTCAGGCCACACTCCTCATGGACGGGCGCATCATCTT
 TGGATACAAAGAAATCCCTGTCTTGGTCCACACAGATAAGTTCTACCAACCATCCAGTGAAGTCCGGTTG
 TCTGATGCATTTGTCGTGGTCCACAGGATCCAGCAAATACCAATGTTTGAAGAAGAACAATTTATGAAT
 ATCACCAGTAGAACTACAAATGTCCAAAATACCAACATCTCAGCTGTGGAGATGACTCCACTCCCAC
 ATGTCTCCAGTTCAATGGTTGTGGCCCTTGTGTCTCGCAGATTGGTTTCACTGCAGTTGGTGCAGC
 AAATTTCAAAGATGCTCCAGTGGATTGATCGCCATCGGCAGGACTGGGTGGACAGTGGATGCCCGGAAG
 AGGTACAGTCAAAGAGAAAGATGTGTGAGAAGACAGAGCCAGGAGACATCTCAAATACCACGACCTC
 CCACACGACCACCATGCAATTCAGGGTCTGACCACCACAGGAGAGCTGTGACATCTCAGATGCCCTACC
 AGCCTGCCTACAGAAGATGACACGAAGATAGCCCTACATCTCAAAGACAGTGGAGCCTCCACAGATGACA
 GTGCAGCTGAGAAGAAAGGAGGAACCTCCATGCAGGCCTCATTGTTGGAATTCTCATCTTGGTCTCAT
 TATAGCAGCGCCATTCTGGTGCAGTGTATATGTATCACCATCCAACATCAGCAGCCAGCATCTTCTTC
 ATTGAGAGACGCCAAGCAGATGGCCAGCAATGAAGTTTGAAGAGGCTCAGGACACCCTGCCTATGCAG
 AAGTTGAACCAGTTGGAGAGAAAGGTTTTATTGTATCAGAGCAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208495 protein sequence
 Red=Cloning site Green=Tags(s)

MARFWRADLAAAGVMLLCHFLTDRFQFAHGEPGHHTNDWIYEVTNAFPWNEEGVEVDSQAYNHRWKRNV
 PFKAVDTNRASMGQASPEKGFDTLLDDGQDNNTQIEEDTDHNYYSRIYGPADSASRDWVNIQMEK
 DKVKIHGILSNTHRQAARVNL SFDFFYGHFLNEVTVATGGFIYTGVEVVRMLTATQYIAPLMANFDPV
 SRNSTVRYFDNGTALVVQWDHVHLQDNYNLGSFTFQATLLMDGRIIFGYKEIPVLVTQISSNHPVKVGL
 SDAFVVVHRIQQIPNVRRTIYEHVRLQMSKITNISAVEMTLPCLQFNGCGPCVSSQIGFNCSWCS
 KLQRCSSGFDHRQDWDVSGCPEEVQSKEKMEKTEPGETSQTSTTTTSHTTMQFRVLTTRRAVTSQMP
 SLPTEDDTKIALHLKDSGASTDSSAAEKKGTLHAGLIVGILILVLIIAAAILVTVYMYHHPTSAASIFF
 IERRPSRWPAMKFRRGSGHPAYAEVPEVGEKEGFIVSEQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_026162

ORF Size: 1593 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_026162.1](#), [NM_026162.2](#), [NM_026162.3](#), [NM_026162.4](#), [NM_026162.5](#), [NM_026162.6](#),
[NP_080438.2](#)

RefSeq Size: 6963 bp

RefSeq ORF: 1593 bp

Locus ID: 67448

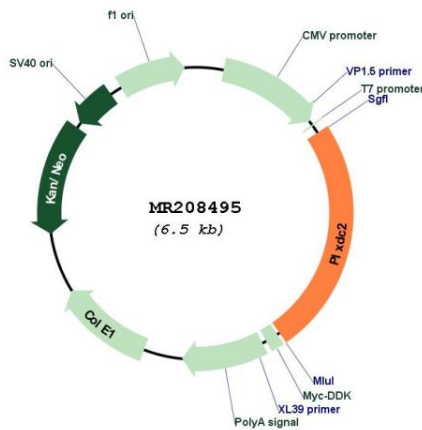
UniProt ID: [Q9DC11](#)

Cytogenetics: 2 A2- A3

MW: 59.6 kDa

Gene Summary: May play a role in tumor angiogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208495