

Product datasheet for **MG208495**

Plxdc2 (NM_026162) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plxdc2 (NM_026162) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plxdc2
Synonyms:	1200007L24Rik; 5430431D22Rik; A1646728; AU022916; AV231634; Tem7r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208495 representing NM_026162
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAGTTCTGGAGGCGGACCTGGCCGAGCAGGAGTTATGTTACTTTGTCACTTTTTAACAGACC
 GGTTCAGTTCGCCACGGGAGCCTGGACACCATAACCAATGATTGGATTATGAAGTTACAACCGCTTT
 TCCTTGGAATGAAGAGGGGTAGAAAGTGGACTCTCAAGCATACAACCACAGGTGGAAGAAATGTGGAC
 CCTTTAAGGCAGTAGACACAAACAGAGCCAGCATGGGCCAAGCCTCTCCAGAGTCAAAGGGTTCACTG
 ACCTGCTACTGGATGACGGACAGGACAATAACACCCAGATAGAGGAGGACACGGATCACAATTACTACAT
 TTCTCGGATATATGGTCCAGCGGATTCTGCCAGCCGGATCTGTGGGTTAACATAGACCAATGGAAAA
 GACAAAGTGAAGATTCACGGGACTTTCCAACACTCATCGCAAGCTGCAAGAGTGAATCTGTCCTTCG
 ATTTTCCATTTTATGGTCATTTTCTAAATGAAGTCACTGTGGCAACTGGGGTTTCATATATACTGGAGA
 AGTTGTACATCGAATGCTCACAGCTACACAGTATATAGCTCCTTAATGGCAAATTTTGATCCCAGTGTA
 TCAGAAAATCAACTGTCAGATATTTTGATAATGGCACAGCTCTGTTGTCCAGTGGGACCATGTCCACC
 TGCAGGATAATTACAACCTGGGAAGCTTCAATTCAGGCCACACTCCTCATGGACGGGCGCATCATCTT
 TGGATACAAAGAAATCCCTGTCTTGGTCCACACAGATAAGTTCTACCAACCATCCAGTGAAAGTCGGGTTG
 TCTGATGCATTTGTCTGGTCCACAGGATCCAGCAAATACCCAATGTTTGAAGAAGAACAATTTATGAAT
 ATCACCAGTAGAACTACAAATGTCCAAAATACCAACATCTCAGCTGTGGAGATGACTCCACTCCCAC
 ATGTCTCCAGTTCAATGGTTGTGGCCCTTGTGTCTCGCAGATTGGTTTCACTGCAGTTGGTGCAGC
 AAATTTCAAAGATGCTCCAGTGGATTGATCGCCATCGGCAGGACTGGGTGGACAGTGGATGCCCGGAAG
 AGGTACAGTCAAAGAGAAGATGTGTGAGAAGACAGAGCCAGGAGACATCTCAAACACTACCACGACCTC
 CCACACGACCACCATGCAATTCAGGGTCTGACCACCACAGGAGCTGTGACATCTCAGATGCCCTACC
 AGCCTGCCTACAGAAGATGACACGAAGATAGCCCTACATCTCAAAGACAGTGGAGCCTCCACAGATGACA
 GTGCAGCTGAGAAGAAAGGAGGAACCTCCATGCAGGCCTCATTGTTGGAATTCTCATCTTGGTCTCAT
 TATAGCAGCGCCATTCTGGTGCAGTGTATATGTATCACCATCCAACATCAGCAGCCAGCATCTTCTTC
 ATTGAGAGACGCCAAGCAGATGGCCAGCAATGAAGTTTGAAGAGGCTCAGGACACCCTGCCTATGCAG
 AAGTTGAACCAGTTGGAGAGAAAGGTTTTATTGTATCAGAGCAGTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208495 representing NM_026162
 Red=Cloning site Green=Tags(s)

MARFWRADLAAAGVMLLCHFLTDRFQFAHGEPGHHTNDWIYEVTNAPWNEEGVEVDSQAYNHRWKRNV
 PFKAVDTNRASMGQASPEKGFDTLLDDGQDNNTQIEEDTDHNYIISRIYGPADSASRDLLWNIDQMEK
 DKVKIHGILSNTHRQAARVNLSFDFFYGHFLNEVTVATGGFIYTGEEVHRMLTATQYIAPLMANFDPSV
 SRNSTVRYFDNGTALVVQWDHVHLQDNYNLGSFTFQATLLMDGRIIFGYKEIPVLVTQISSNHPVKVGL
 SDAFVVVHRIQQIPNVRRTIYEHYRVELQMSKITNISAVEMTLPCLQFNGCGPCVSSQIGFNCSSWC
 KLQRCSSGFDRHRQDWDVSGCPEEVQSKEKMCEKTEPGETSQTTTTSHTTTTMQFRVLTTRRAVTSQMP
 SLPTEDDTKIALHLKDSGASTDDSAEKKGGTLHAGLIVGILILVLIIAAAILVTVYMYHHPTSAASIFF
 IERRPSRWPAMKFRRGSGHPAYAEVEPVGEKEGFIVSEQC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_026162
ORF Size:	1590 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_026162.2 , NP_080438.2
RefSeq Size:	3204 bp
RefSeq ORF:	1593 bp
Locus ID:	67448
UniProt ID:	Q9DC11
Cytogenetics:	2 A2- A3
Gene Summary:	May play a role in tumor angiogenesis.[UniProtKB/Swiss-Prot Function]