

Product datasheet for **MG212517**

Plcxd2 (NM_001134480) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plcxd2 (NM_001134480) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Plcxd2
Synonyms: AW494639; EG433022
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212517 representing NM_001134480
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCTTGCAATTTAGAAAGGCCAGAAGGAACTCAGGATGGGTACCATCTGCTCTCCCAATCCCAGCGGGA
 CAAAGACAGCCTCGGAGGTCTGCAATGCCGACTGGATGGCCTCGCTCCCCGCTCACCTCCACAACGTCCC
 CCTTTCCAATCTGGCAATCCCAGGCTCCCATGATTCATTAGCTACTGGGTAGATGAAAAGTCCCAGTG
 GGGCCTGACCAAACCAAGCTGTCATACGCCTTGCCCGGATCTCCTTGGTAAAAAGTTAATGAAGAAAT
 GGTCTGTAACCTCAGAACCTGACCTTCAGGGAGCAGCTGGAGGCTGGGATCCGCTACTTTGACCTACGGT
 GTCTTCCAAGCCTGGAGACTGACCAGGAGATCTACTTCATCCACGGGCTCTTTGGCATCAAGGTTTGG
 GATGGGTTGATGGAGATTGATGCCTTCTCACTCAGCACCTCAAGAGATCATCTTCTGGATTTCAACC
 ACTTCTATGCCATGGATGAGAGCCACCACAAATGCCTGGTTCTGCGGATCCAGGAGGCTTTGGGAACA
 GCTGTGCCAGCCTGCAGCGTGGAAAGCATGACTGCGGAGTCTGTGGGAGAAAAAGTACCAGGTTCTC
 ATTTTCTACCACTGTCCCTTCTACAAGCAATACCCATTCTGTGGCCAGGGAAGAAGATCCGGCACCT
 GGGCAAACACCACGAGTGTGCAGAACTGATCCTCTTCTGGAGACCACCTGAGTGAGCGAGCTCCACG
 TGGGCCCTTCCATGTCTCCAGGCCATCCTCACGCAAGAGTGAAGACTATTGCTCGAGGCTGGTGGG
 GGCTCAAGAACAACACTAGTTCACAGGAATCTCCCTGCCATCCTTGATTGGGTGAAGACTCAAAGCCTG
 GCGCCATGGGTGTCAACATCATCATCTGACTTCGTGGACCTGATAGACTTTGCCACGACTGTGATTGA
 GTTGAACGACCTCCTAGAGGATCGAGCTCTGACTAAGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG212517 representing NM_001134480
 Red=Cloning site Green=Tags(s)

MLAFRKARRKLRMGITICSPNPSGKTASEVCNADWMASLPAHLHNVP LSNLAIPGSHDSFSYVWDEKSPV
 GPDQTQAVIRLARISLVKMLMKWSVTQNLTFREQL EAGIRYFDLRVSSKPGD TDQEIYFIHGLFGIKVW
 DGLMEIDAF L TQHPQE IIFLDFNHFYAMDESHHKCLVLR IQEAFGNK LCPACSVESMTLRSLWEKKYQVL
 IFYHCPFYKQYPFLWPGKKIPAPWANTTSVQKLILFLETTLSERAPRGAFHV SQAILTPRVKTIARGLVG
 GLKNTLVHRNLPAILDWVKTQKPGAMGVNIITSDFVDLIDFATTVIELNDLLEDRALTKC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134480

ORF Size: 1020 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_001134480.1](#), [NP_001127952.1](#)

RefSeq Size: 7352 bp

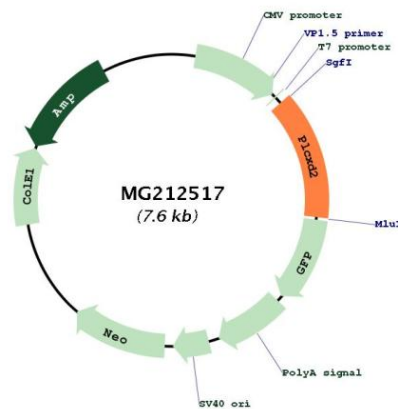
RefSeq ORF: 1023 bp

Locus ID: 433022

UniProt ID: [B2RXA1](#)

Cytogenetics: 16 B5

Product images:



Circular map for MG212517