

Product datasheet for **RG225503**

PLCXD2 (NM_001134478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLCXD2 (NM_001134478) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLCXD2
Synonyms:	FLJ31579; phosphatidylinositol-specific phospholipase C, X domain containing 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225503 representing NM_001134478 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTAGCAGTTAGGAAGGCCAGGAGGAACTCAGGATGGGGACCATCTGCTCCCCAACCCAGCGGGA
CAAAGACATCATCGGAGGTCTGCAATGCCGACTGGATGGCCTCGCTCCCCCTCACCTCCACAACCTCCC
CCTTTCCAATCTGGCAATCCCAGGCTCACATGATTCATTGAGCTACTGGGTGGATGAAAAGTCCCCAGTG
GGGCTGACCAAACCAAGCTATCAAACGCCTCGCCAGGATCTCCTTGGTGAAGAAGCTAATGAAGAAGT
GGTCTGTGACTCAGAACCTGACATTTGAGAAGCTGGAAGCTGGGATCCGCTACTTTGACCTGCGTGT
GTCTTCCAAACAGGGGATGCCGACCAGGAGATCTACTTCATCCATGGGCTTTTGGCATCAAGGCTGG
GATGGGCTGATGGAAATTGACTCGTTTCTACACAGCACCCCCAGGAGATTATCTTCCTGGATTTCAACC
ACTTCTATGCCATGGATGAGACCATCACAAATGCCTGGTTCTGCGGATCCAGGAGGCCTTTGGAACAA
GCTGTGCCAGCCTGCAGTGTGGAAAGTTGACGCTGCGAACTCTGTGGGAGAAGAAGTCCAGGTTCTT
ATTTTCTACCACTGTCCCTTCTACAAGCAGTACCCCTTCTGTGGCCAGGAAAGAAGATTCCAGCGCCCT
GGGCAACACCACAAGTGTGCGCAAACTAATCCTCTTCTGGAGACCACTCTGAGTGAGCGGGCCTCAGC
GGGCTCCTTCCATGTCTCCCAAGCGATCCTCACCCAGAGTGAAGACCATTGCCCGGGCTTGGTTGGG
GGCCTCAAGAACACGCTGGTTCATAGGAATCTTCTGCCATCCTGGACTGGGTGAAAACTCAGAAGCCTG
GAGCCATGGGTGTCAACATCATCATCTGACTTCGTGGACCTGGTGGACTTTGCTGCGACTGTCATCAA
GTTGAATGACCTCTACAGGAGGACACAGCTCTGGCTAAATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225503 representing NM_001134478
 Red=Cloning site Green=Tags(s)

MLAVRKARRKLRMGITICSPNPSGKTSSSEVCNADWMASLPPHLHNLPLSNLAIPGSHDSFSYWVDEKSPV
 GPDQTQAIKRLARISLVKKLMKKWSVTQNLTFREQLAAGIRYFDLRVSSKPGDADQEIYFIHGLFGIKVW
 DGLMEIDSFLTQHPQEIIFLDFNHFYAMDETHHKCLVLRIQEAFGNKLCPCACSVESLTLRTLWEKNCQVL
 IFYHCPFYKQYPFLWPGKKIPAPWANTTSVRKLILFLETTLSERASRGSFHVSQAILTPRVKTIARGLVG
 GLKNTLVHRNLPAILDWVKTQKPGAMGVNIITSDFVDLVDFAAATVIKLNLLQEDTALAKC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134478

ORF Size: 1023 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_001134478.1, NP_001127950.1

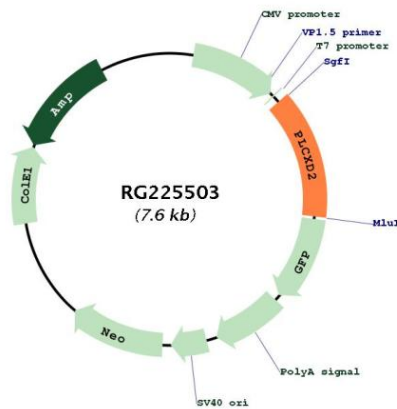
RefSeq Size: 7726 bp

RefSeq ORF: 1025 bp

Locus ID: 257068

Cytogenetics: 3q13.2

Product images:



Circular map for RG225503