

Product datasheet for **RC202835**

PLCXD1 (NM_018390) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLCXD1 (NM_018390) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLCXD1
Synonyms:	LLOXNC01-136G2.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202835 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGCGGGCAGGTGAGCGCTTCCAACAGCTTCTCGAGGCTGCACTGCAGAAATGCCAACGAGGACTGGA
 TGTCGGCACTGTGTCCCGGCTCTGGGATGTGCCCTCCACCACCTCTCCATCCAGGGAGCCACGACAC
 GATGACGTAAGTGCCTGAACAAGAAGTCCCCATTTGCGACGAGGAGTCCCGGCTGCTGCAGCTGCTGAAC
 AAGGCCTTGCCCTGCATCAGCGCCCTGTCGTGCTGAAATGGTCCGTACCCAGGCACTGGACGTCACAG
 AGCAGCTGGATGCCGGGTGCGGTACCTGGACCTGCGGATAGCCACATGCTGGAGGGCTCGGAGAAGAA
 CCTGCACTTTGTCCATATGGTGTACACAACGGCGCTGGTGGAGGACACACTCACGGAAATCTCGGAGTGG
 CTGGAGCGGCATCCACGCGAGGTGGTCATCCTGGCCTGCAGAACTTCGAGGGGTGAGCGAGGACCTGC
 ACGAGTACCTGGTCGCCTGTATCAAGAACATCTTCGGGGACATGCTGTGCTCCTCGTGGGGAGGTGCCGAC
 ACTGCGGCAGCTGTGGTCCCGGGGCCAACAGGTATCGTCTCCTATGAAGACGAGAGCTCCTTGCGCCGG
 CACCACGAGCTGTGGCCAGGAGTCCCCTACTGGTGGGGAAACAGGGTGAAGACCGAGGCCCTCATCCGAT
 ACCTGGAGACCATGAAGAGCTGCGGCCGCCAGGAGGGTTGTTGCTGGCCGGCATCAACCTCACGGAGAA
 CCTGCAGTACGTTCTGGCGCACCCGTCCGAGTCCCTGGAGAAGATGACGCTGCCAACCTTCCGCGGCTG
 AGCGGTGGGTCCGAGAGCAGTGCCCGGGGCCGGTTACGGTGCACCAACATCATCGCGGGGACTTCA
 TCGGCGCAGACGGCTTCGTAGTGACGTCATCGCGCTCAATCAGAAGCTGCTGTGGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

Protein Sequence: >RC202835 protein sequence
 Red=Cloning site Green=Tags(s)

MGGQVSASNSFSRLHCRNANEDWMSALCPRLWDVPLHLSIPGSHDTMTYCLNKKSPISHEESRLLQLLN
 KALPCITRPVVLKWSVTQALDVTEQLDAGVRYLDLRIAHMLEGSEKNLHFVHMVYTALVEDTLTEISEW
 LERHPREVVILACRNFEGLSEDLHEYLVACIKNIFGDMLCPRGEVPTLRQLWSRGQQVIVSYEDESSLRR
 HHELWPGVPYWWGNRVKTEALIRYLETMKSCGRPGLFVAGINLTENLQVYLAHPSESLEKMTLPNLPRL
 SAWVREQCPGPGSRCTNIIAGDFIGADGFVSDVIALNQKLLWC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6412_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018390

ORF Size: 969 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018390.4](#)

RefSeq Size: 5320 bp

RefSeq ORF: 972 bp

Locus ID: 55344

UniProt ID: [Q9NUJ7](#)

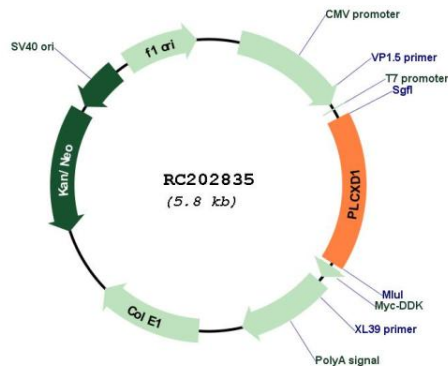
Cytogenetics: X;Y

Domains: PI-PLC-X

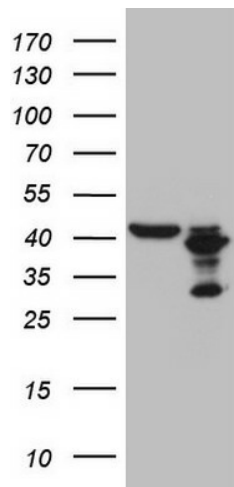
MW: 36.7 kDa

Gene Summary: This gene is the most terminal protein-coding gene in the pseudoautosomal (PAR) region on chromosomes X and Y. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

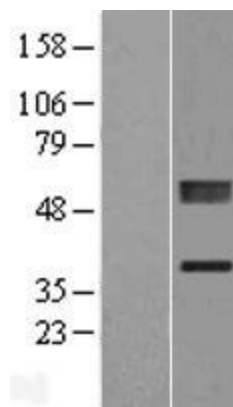
Product images:



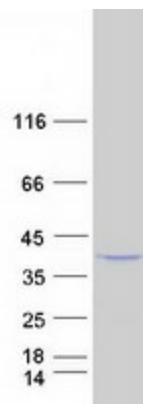
Circular map for RC202835



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PLCXD1 (Cat# RC202835, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PLCXD1 (Cat# [TA808765]). Positive lysates [LY413089] (100ug) and [LC413089] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY413089]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202835 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified PLCXD1 protein (Cat# [TP302835]). The protein was produced from HEK293T cells transfected with PLCXD1 cDNA clone (Cat# RC202835) using MegaTran 2.0 (Cat# [TT210002]).