

Product datasheet for RC218779

PLXNB3 (NM_005393) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLXNB3 (NM_005393) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PLXNB3
Synonyms: PLEXB3; PLEXR; PLXN6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC218779 representing NM_005393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGATCGC

ATGTGCCACGCCGCCAGGAGACCCCTCTGCTGCACCACTTCATGGCCCCGTGATGGCTCGCTGGCCTC
 CCTTCGGCCTCTGCCTCCTCTGCTGCTGTCCACCACCGCCACTGCCCTTGACAGGGGCCATCGCTT
 CTCCGCACCTAATACCACTCTCAACCACTTGGCACTGGCAGCTGGCCGAGGCACACTCTATGTCGGCGCA
 GTGAACCGCCTCTCCAGCTCAGCCCCGAGCTGCAGCTCGAGGCCGTGGCTGTCAGTGGCCCTGTAAATCG
 ACAGCCCTGACTGCGTGCCCTCCGTGACCCAGCCGAGTGCCACAGGCCAGCTCACTGACAATGCCAA
 CCAGCTGCTGCTGGTGAGCAGCCGCGCCAGGAGCTGGTGGCCTGCGGGCAGGTGCGGCAGGGCGTGTGT
 GAGACACGGCGCCTTGGGGATGTGGCCGAGGTGCTGTACCAGGCTGAGGACCCTGGTGACGGGCAGTTTG
 TGGTGCCTAATACCCGGGAGTGGCAACGGTGGGGTGGTGGTGGCCTTGCCCGGCCGGGACCTCCTGCT
 TGTGGCCAGAGGCTGGCGGCAAGCTGTGGCAGGGGTGCCACCCTGGCCATCCGCCAGCTGGCCGGG
 TCTCAGCCCTTCTCCAGCGAGGGCCTGGCCGCTTGGTGGTGGCGACTTCTCCGACTACAACAACAGCT
 ACGTCGGGGCCTTGGCGACGCCGCTCCGCTACTTCGTGTTCCGCCCGCGGGGCCAGGCGCCAGGC
 TGAGTACCGCTCCTACGTGGCCCGCTGCTGCTGGGGACACCAACCTGTACTCCTACGTGGAGGTCCCC
 CTCGCCTGCCAGGGCCAGGGCCTCATCCAGGCCCTTCTTGCCCCGGGCACCTTGCTAGGGGTGTTTG
 CCGCGGGCCAAAGGGGACCCAGGCGCGCTCTGTGCCTTCCCCATGGTGGAGCTGGTGCCAGCATGGA
 GCAGGCCCGGAGACTCTGCTACACGGCGGGCGGGGCCAGCGCGCAGAGGAAGCCACCTGGAG
 TACGGCGTCACGTGCGCTGCGTCACCTGCCCTTGATTCCCCCGAGTCGTACCCTGTGGCGACGAGC
 ACACCCAGCCCATGCTGGCCGCCAGCCCTGGAGGTCCAGCCTCTGCTGAAGCTCGGGCAGCCGT
 CAGCGCGTGGCAGCTCTCCAGGCAGATGGGCACATGATAGCCTTCTGGGGACACCCAGGGCCAGCTG
 TACAAGTCTTTCTCCAGGCTCCAGGGCCAGGTTTACCCTCCAGCAAGTGGGGCCTCCAGGCTCAG
 CCATCAGCCAGACCTGCTGCTGGACAGCAGTGGCAGTCACTCTATGTCCTGACTGCCACCAGGTGGA
 CCGGATACCTGTGGCAGCCTGCCCCAGTTCCTGACTGTGCCAGCTGCCTCCAGGCCAGGACCCGCTG
 TGTGGCTGGTGTCTCCAGGGCAGGTGTACCCGGAAGGGCCAGTGGGGCGGGCAGGCCAGCTGAACC



[View online >](#)

AGTGGCTGTGGAGTTATGAGGAGGACAGCCACTGCCTGCACATCCAGAGCCTGCTGCCGGGCCACCACC
 CCGCCAGGAGCAGGGCCAGGTCACCTTTGTCTGTCCCCGGCTGCCCATCCTGGATGCAGATGAATACTTC
 CATTGTGCGTTTCGGGGACTATGACAGCTTGGCTCATGTGGAAGGGCCCCACGTGGCCTGTGTACCCCTC
 CCCAAGACCAGGTGCCACTTAACCTCCAGGCACAGACCACGTCACTGTGCCCTGGCCCTGATGTTTGA
 GGACGTGACTGTGGTCCACCAACTTCTCTTTATGACTGCAGTGCCGTCCAGGCCTGGAGGGCGGT
 GCCCGTGTGCGCTTGGCTGGCAGCATCTGGCGGTGTCCTGTTGCCCGCAGAGTAGCCACTGCGTGT
 ACGGAGGACACTGCCAGAGGGCGAGAGGACCATCTACAGCGCCAGGAGGTGGACATCCAGGTGCGTGG
 CCCAGGGCTTGGCCACAGGTGCAAGGCTGGCAGGTCCCACCTGGTGCCTGTGGCTGGGAGAGCCAT
 TTGGCCCTACGCGTGGGAACCTTCAACATTTCCGAGGCTGCCTGCCTCCTTCCACTGTGGTGGAGC
 TGCTGGAGAACTTCGGGACTGCCGGCCACCCTGGAGGAGACAGCAGGGGATTAGGCCTCATCCACTG
 CCAGGCCACCAGTTTTATCCCTCCATGTCCCAGCGGAGCTCCCAGTGCCCATCTACGTACCCAGGGT
 GAAGCCCAGAGGCTGGACAACCCATGCTCTTTATGTGATCCTGTACGACTGCGCCATGGGCCACCCGG
 ACTGCAGCCACTGCCAAGCGGCAACAGGAGCCTGGGCTGCCTGTGGTGTGCTGACGGCCAGCCTGCCTG
 TCGCTATGGGCCCTTGTGCCCGCGGGGCTGTGGAGCTGCTGTGCTCCTGCGCCAGCATTGATGCAGTC
 GAGCCCTGACCGGTCCCCTGAGGGAGGCTTGGCCCTACCATCCTGGGCTCCAACCTGGGCCGGGCT
 TCGCCGATGTGCAGTACGCCGTGAGCGTGGCCAGCCGGCCCTGCAACCCTGAGCCCTCTCTACCCGAC
 GTCGGCCCGGATTGTGTGTGTGACATCTCCTGCCCCCAATGGCACCCTGGGCCCGTCCGGGTGGCCATT
 AAGAGCCAGCCACCAGGCATCTCAAGCCAGCACTTACCTACCAGGACCCTGTCTGTGAGCCTGAGTC
 CTCGCTGGGGCCCCAGGCAGGGGGCACCCAGCTACCATCCGAGGTGACACCTCCAGACAGGTGGCAA
 CACCAGTGCTTCGTGGTGGCAACCTGTCCCATCCTGGAGCCAGTGTGTCGGGAGGCCATCGTGTGC
 CGTACCAGGCCCAGGCTGCCCGAGGAGAAGCAGCGGTCTTGTGGTCTTTGGCCATGCCAGCGCACAC
 TGCTCGCCAGCCCTTCCGCTACACCGCAACCCAGCTTGTAGCGCGGAGCCAGTCCAGCTTCCG
 GGGGGTGGCGACTGATCCGTGTGAGGGCACCGGCTAGACGTGGTGCAGCGGCCCTACTGTCTGTG
 TGGTGGAGGCTGACGCAGAGGTGACAGGCTTCCAGGGCCAGCCAGGCCACAGCAAGGAGGAGT
 GTGGAGCCCTGCTGCGGACCCAGGCTTGTATCCAGCTCGGTGGGGGCTGCTGCAGTGTCCACCGT
 CTGCTCCGTCAACTCGTCCAGCCTCCTCCTGTGCCGGAGCCCTGCTGTACCAGACAGAGCCACCAGCAG
 CGGGTCTTCTTACCCTAGACAACGTGCAAGTGGACTTCGCCAGTGCCAGTGGGGGCCAGGGCTTCTGT
 ACCAGCCAAACCCCGCCTGGCACCCCTCAGCCGCGAGGGGCTGCCCGCCCTACCGCCTCAAGCCAGG
 CCATGCTCCTGGATGTGGAGGGCAGGGCCTCAACTGGGCATCAGCAAGGAGGAGGTGCGCGTGCACATC
 GGCCGCGCGAGTGCCTGGTGAAGACGCTCACGCGACCCACCTGTACTGCGAGCCGCTGCGCACGCC
 CGCAGCCTGCCAATGGTCCGGCTGCCACAGTTCGTGGTGCAGATGGGCAATGTGCAGTGGCCCTGGG
 CCTGTGCAGTACGAGGCTGAACCCCGCTGTCTGCCTTCCCGTGGAGGCCAGGCAGGCGTGGGCATG
 GGTGCTGCAGTGTGATTGCCGCGTGTCTCCTCCTCACCTCATGTACAGGCACAAGAGCAAGCAGGCC
 TGCGGGACTACCAGAAGGTGCTAGTGCAGTGGAGAGCCTGGAGACCAGGCGTGGGAGACCAGTGGCCAA
 GGAGTTCACAGACCTCATGACGGAGATGACCGACTCAGCAGCGACCTGGAGGGCAGCGGGATCCCTTC
 CTGGACTACCGCACCTACGCCGAGCGCCCTTCTTCCCTGGCCATGGCGGTTGCCCGCTGCAGCCAAAGC
 CTGAGGGGCCAGGGGAGGACGGCCTGTGCCACTGTGCCAGGGCCTCACGCAGCTCTCAACCTGTCT
 CAACAGCAAGCTCTTCTCCTCACGCTCATCCACCCCTGGAGGAGCAGCCAGCTTTTCCAGAGGGAT
 GGCTGCCATGTGGTTCGCTGCTGCTAGCGCTACACGGCAAGCTGGAGTACCTGACGGACATCATGA
 GGACCCTGCTGGGTGACCTGGCGGCCATTACGTGCACAGGAACCCCAAGCTCATGCTACGCAGGACAGA
 GACCATGGTGGAGAACTGCTACCAACTGGCTGTCCATCTGCCTGTACGCCCTTCTGAGGGAGGTGGCT
 GGTGAACCACTGTACATGCTCTTCCGGGCCATCCAGTACCAGGTGGACAAGGCCCGTGGACGCGGTGA
 CAGGCAAGGCCAAACGGACCCTGAATGATAGCCGCTTGTGCGGGAGGACGTGGAGTTCAGCCCTGAC
 GCTGATGGTGTGGTGGGGCCCGGGCTGGCGGGCCGACGGCAGCAGAGATGCAGCGCTGCCAGCC
 CGGGTGTGACACGGACACCATCACCCAGGTCAAGGAGAAGGTGTTGGACCAAGTCTACAAGGGCACCC
 CCTTCTCCAGAGGCCCTCAGTGCATGCCCTAGACCTTGTAGTGGCGCTCAGGCCCTGGCTGGTCACTGAC
 CCTATCGGACGAAGACTTGACCTCCGTGACCCAAAACCTGGAAGAGACTCAACACCTTGAACACTAC
 AAGGTCCAGATGGAGCAACAGTGGGGCTCGTCCCTCAGCTGCACCGTGGCAGCACCATCTCCAGAGCC
 TGGCCAGAGGTGCCCTTGGGAGAGAACATACCCACGCTGGAGGATGGCGAGGAGGGGGGGTGTGCT
 CTGGCACCTGGTAAAAGCCACCAGGAGCCAGAAGGGGCCAAGGTGCGGTGCAGCAGCCTGCGGGAGCGC
 GAGCCAGCAAGGGCCAAGGCCATTCCGGAAATCTACCTCACCCGTCTGCTGTCCATGAAGGGCACGCTGC
 AGAAGTTTGTGGACGACACCTTCCAGGCCATTCTCAGCGTGAACCGGCCATCCCATCGCCGTCAAGTA

CCTGTTTGACCTTCTGGATGAGCTAGCAGAGAAGCACGGCATCGAGGACCCAGGGACCCTGCACATCTGG
 AAGACCAACAGTCTGCTGCTGCGGTTCTGGGTGAATGCCTTGAAGAACCACAGCTCATCTTTGATGTAC
 GGGTGTGCGACAATGTGGACGCCATCCTTGCTGTATCGCCAGACCTTCATTGACTCCTGTACCACCTC
 GGAGCATAAAGTGGGCCGGGATCCCCAGTGAACAACTGCTCTACGCCCGGGAGATCCCACGCTACAAG
 CAGATGGTGGAGAGGTACTATGCGGACATTCGCCAGAGCTCTCCGGCGAGCTACCAGGAGATGAAGTCTG
 CTTTGGCTGAGCTCTCCGGAACTACACTTCTGCTCCCCACTGTCTGGAGGCTCTGCAAGAACTTACAA
 CCACATCCACAGTACTATGATCAGATTATCAGTGCCCTGGAGGAGACCCTGTGGCCAGAAAGTGCAG
 CTGGCCGCGCCTGCAGCAGGTCGCCGCCCTGGTGAAAAACAAAGTACTGACTGACCTG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218779 representing NM_005393
 Red=Cloning site Green=Tags(s)

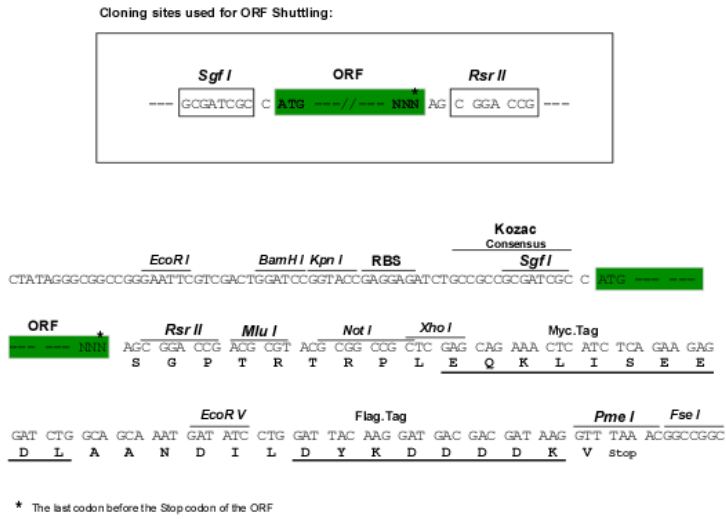
MCHAAQETPLLHHFMAPVMARWPPFGLCLLLLLLSPPLPLTGAHRFSAPNTTLNHLALAPGRGTLVYGA
 VNRLFQLSPELQLEAVAVTGPVIDSPDCVFRDPAECPQQLTDNANQLLLVSSRAQELVACGQVRQGV
 ETRRLGDVAEVLQAEDPGDQFVAANTPGVATVGLVPLPGRDLLLLVARGLAGKLSAGVPLAIRQLAG
 SQPFSSEGLGRLVVGDFSDYNNYSYVGFADARSAYFVFRRRGARAQAEYRSYVARVCLGDTNLSYVEVP
 LACQGGQLIAAFLAPGTLGVFAAGPRGTQAALCAFPMVELGASMEQARRLCYAGGRGPSGAEAEATVE
 YGVTSRCVTLPLDSPESYPCGDEHTPSPAGRQPLEVQPLLLKLGQPVSAVAALQADGHMIAFLGDTQGQL
 YKVFLHGSQGVVYHSQQVGGPSAISPDLLDSSGSHLYVLAHQVDRIPVAACPQFPDCASCLQAQDPL
 CGWCVLQGRCTRKGQCGRAGQLNQWLSYEEDSHCLHIQSLLPGHHPRQEQQVTLSPVRLPILDADAEYF
 HCAFGDYDSLAVHEGPHVACVTPPQDQVPLNPPGTDHVTVPLALMFEDVTVAAATNFSFYDCSAVQALEAA
 APCRACVGSIWRCWCPQSSHCVYGEHCPEGERTIYSAQEVDIQVRGPGACPVQVGLAGPHLVVPGWESH
 LALRVRNLQHFRGLPASFHWCLELPGELRGLPATLEETAGDSGLIHCQAHQFYPSMSQRELVPVIYVTQG
 EAQRDLNTHALYVILYDCAMGHPDCSHCQAANRSLGCLWCADGQPACRYGPLCPPGAVELLCPPASIDAV
 EPLTGPPEGGLALTILGSLNGRAFADVQYAVSVASRPCNPEPSLYRTSARIVCVTSPAPNGTTPVRAI
 KSQPPGISQHFYQDPVLLSLSPRWGPQAGGTQLTIRGQHLQTGGNTSAFVGGQPCPILEPVCPEAIVC
 RTRPQAAPGEAAVLVVFQHAQRTLLASPFYRANPQLVAAEPSASFRRGGRLIRVRGTGLDVVQRPLLSV
 WLEADAQVQASRAQPQDPQPRRSCGAPAADPQACIQLGGGLLQCSTVCSVNSSLLLLCRSPAVPDRAHPQ
 RVFFTLDNVQVDFASASGGQGFYQPNRPLAPLSREGPARPYRLKPGHVL DVEGEGLNLGISKEEVRVHI
 GRGECLVKTLTRTHLYCEPPAHAPQPANGSGLPQFVVQMGVQLALGPVQYEAEPPLSAFPVEAQAGVGM
 GAAVLI AAVLLL TLMYRHKSKQALRDYQKVLVQLESLETGVGDQCRKEFTDLMTEM TDLSSDLEGS
 GIPFLDYRTYAERAFPPGHGGCPLQPKPEGGEDGHCVTRQGLTQLSNLLNSKLFLLTLIHTLEEQPSFSQRD
 RCHVASLLSLALHGKLEYLTDIMRTLLGDAAHYVHRNPKMLRRTETMVEKLLTNWLSICLYAFLREVA
 GEPLYMLFRAIQVQVQDKGPVDAVTGKAKRTLNDLRLLREDVEFQPLTLMVLVGPAGGAGSSEMQRVPA
 RVLDTDTITQVKEKVLQVYKGTFFSQRPSVHALDLEWRSGLAGHLTLDSEDLTSVTQNHKRLNLTQHY
 KVPDGATVGLVPQLHRGSTISQSLAQRCPGENIPTLEDGEEGVCLWHLVKATEEPEGAKVRCSLRLER
 EPARAKAIPEIYLTRLLSMKGTLLQKFDVDTFQAILSVNRPPIAVKYLFDLLDELAEKHGIEDPGTLHIW
 KTNSLLLRFWNALKNPQLIFDVRVSDNVDAILAVIAQTFIDSCCTSEHKVGRDSPVNKLLYAREIPRYK
 QMVERYADIRQSSPASVQEMNSALAEELSGNYTSAPHCLEALQELYNHIIHRYDQIISALEEDPVGQKLQ
 LACRLQVAALVENKVTDL

SGPTRRRLLEQKLISEEDLAANDILDYKDDDDKV

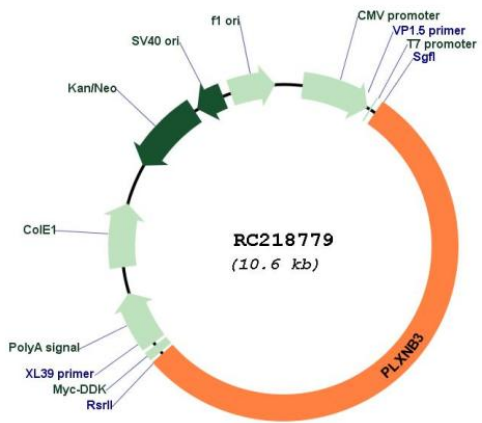
Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_005393
 ORF Size: 5727 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:	<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_005393.3
RefSeq Size:	6211 bp
RefSeq ORF:	5730 bp
Locus ID:	5365
UniProt ID:	Q9ULL4
Cytogenetics:	Xq28
Protein Families:	Druggable Genome
Protein Pathways:	Axon guidance
MW:	206.8 kDa
Gene Summary:	The protein encoded by this gene is a member of the plexin family. It functions as a receptor for semaphorin 5A, and plays a role in axon guidance, invasive growth and cell migration. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]