

Product datasheet for **RN211307**

Plxnb2 (NM_001108106) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plxnb2 (NM_001108106) Rat Untagged Clone
Tag: Tag Free
Symbol: Plxnb2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN211307 representing NM_001108106
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCAACCACTCTGGGCCCTGACCTTACTAGGTCTCATGGGCCTAGGGTTGAGCCTACGGTCCC
 AGCCGGAGAGTTCCGCAGTGAGACAGAGCTGAACCACCTGGTTGTGGATGAGGCCTCGGGTGTGGT
 TGTTGGGGCAGTGAATGCGCTCTACCAGCTGAGTGCCGACCTGCAAGTCCAGCAGCATGTGGTCA
 CAGCC
 CCCTTCTGGATAACAAGAAATGCACGCCACCCATCGAGCCTAGCCAGTGCCACGAAGCAATCTT
 CAA
 ACAACTTTAACCACTGCTGCTGCTCGACCCACCTGGGAAACGCTGGTGGAGTGCGGCAGTCTT
 TCAA
 GGGCATTGCGCCCTGCGCGCCATGAGCAACATCTCTGTGCGCCTCTTCTATGAGGATGGCAGCG
 GTGAG
 AAGTCCTTTGTGGCCAGCAATGACGAGAGAGTGGCCACAGTAGGGCTGGTGGAGCTCCACGCGC
 CCTGACG
 GTGAGCGAGTGCTGTTTGTGGGCAAAGGCAATGGGCCACACGACAATGGCATCATCGTGAGCAC
 CCCGCT
 GCTGGACAGGTCTGAGGGCCGGGAGGCCTTTGAGGCCTACTCAGACCACACCACCTTCAAGGCT
 GGCTAC
 CTGTCCACTAATACTCAGCAGTTTGTGCGAGCCTTTGAAGATGGCCGCTATGTCTCTTTATCTT
 TAACC
 AGCAAGACAAGCACCCCTGCTAAGAACCACCCCTGCTGGCAGCAATGTGCAAAGACGACCCCTC
 TACTA
 TTCTATGTAGAGATGGATCTGCTGTGTAAGATCCCCTGAACCACAAACTCTGTCTTTGGTAC
 TCTGC
 CTAGCTGCTTCTGTAGCCACACCCGGTGTGGCAGGGCACTCTATGCTGTGTTCCAGCAGAGAT
 GGCCGGA
 GCACTGGGGGGCCTGGAGCAGGCCTCTGTATGTTCCCACTAGAGAAAGTCCATGAAATGATG
 GAAGCAA
 CCGTAATACCTGTACCGGGTACCCGAGAGTCCAGGCCCACTAACTTCTACAAACCCCTTCCAC
 GGAGAC
 ATCCAGTGTGGTGGCCATGCTCGAGGTGCCAGCGAGAGCTTCCCGTGTGGCTCGGAGCATCTG
 CCCTATC
 CACTGGGCAGTCGTGATGGACTTGAAGCCACAGCCCTGCTGCACCGGGGGCCTGAATCTGAC
 AGCAGT
 GACAGTAACTGCCGAGAATGGCCACACCATTGCCTTCTGGGTACCTCAGATGGCCGGATCCTT
 AAGGTA
 TACCTTGCTCCAGACGGCACTTCTCAGAGTATGGCTCTATCCCAGTACATCAATAAGAAGATCA
 AAGG
 GGGACCTGGCACTGTCTGAAACCTGTCCAATCTGTATGCCATGACCCAGGACAAGGTGTCCGG
 TCCC
 GGTACAAGAATGCTGAGCTATGCAACCTGTGCTCAGTGTGCTGACTCCCAAGATCCCTACTGT
 GGCTGG
 TGTGTCATCGAGGACGATGCACCAGGAAGTCCGAGTGCTCACGGCCGAGGAAGCTGGACACT
 GGCTAT
 GGAGCCGGGAGAAGTCTGCGTGACCATCACTGATGCTTTTCCACAGAACATGAGCCGGCGGCCA
 AAGG



View online »

AGAGGTACGACTATCTGTGAGCCCTACCCACTCTGGCTAAGGAGGATGAGTTGCTTTGCCTCTTCGGT
 GAATCGCCACCCCACTCTGCCGGGTAGAGGATGATGCTGTCATCTGTAACCTACCAAGCAGCATCCCTA
 GCACCCACCAGGCCAAGACCAGTTGATGTGAGCATCCAGCTCCTCTTCAAACACGGCAATGTCTTCT
 CACCTCCCACCAGTATCCCTTCTATGACTGCCGGGAGGCTATGAGCCTGGTGGAGAACCTGCCGTGCATC
 TCTTGTGCTAGCAACCGCTGGACTTGCCAATGGGACCTGCAGTACTACGAGTGTGAGAGGCTCGCCCA
 ACCCAGAGGATGGAATCATACGTGCCACATGGAGGACAACCTGCCCCAGTTCCTGGCCCTAACCTCT
 GGTCATCCCATGAACCATGAGACAGAAGTGACCTTCCAGGGCAAGAACCTGGAGACTGTGAAGTTTCT
 TCCTGTATGTGGCAGTGACCTGTTGAAGTTTGAAGAGACGGTGACAATGCATGAGTCAGACACCTTCT
 CTTTTAGGACCCCAAAGCTATCCACGATGCTAATGAGACTGCCTCTTACCTATATGTTAAGTCCTT
 TGGCAAGAACATCGACAGCAAGCTACAAGTGACTCTACAACCTGCTCCTTGGCCGACGACTGCAGC
 CTGTGTCTGGCCCGCATCTGCCTACAGGTGTGTGGTGGCCTGGCAGAACAGGTGCGTGTATGAAG
 CCCTGTGCAGCAACGTCACCTCCGAATGTCCCCACCGGTCAATACCAGGATCCAGCCTGAGACCGGCC
 GCTGGGTGGAGGCATTCTCGTACTATCCATGGTCCAATTTGGTGTCAAGGCAGATGATGTCAAGAAG
 ATCACTGTGGCTGCCAGGACTGTCTTTGAACCAAGAGGATACTCTGTATCTACCCGATTGTGTGTG
 CAATTGAGGCCTCGGAGACGCCCTTACGGGAGGTATTGAGGTGGATGTTAATGGAACCTGGCCATTC
 ACCGCCACATGTCAGTTACATATCAACAACCCAGCCTCTCAGTGTGGAGCCAGCACAAGGGCCACAG
 GCAGGTGGCACCATTGACCATCAATGGCACTTACCTGGACACAGGCTCCAAGGAGGATGTGCGGGTGA
 CACTCAATGACGTCCCTTGTGAAGTGACGAAGTTTGGAGCACAGCTGCAATGTGTACCCGTTCCAGTT
 GGCTCCAGGCCAGGTGGCACTAGAAATCTCCTATGGGGGCTCCCGGGTGGCCAGTCTGGTATCTCCTTC
 ACCTACTGTGAGAACCCTGTGTTAAGAGCCTTTGAGCCACTGAGAAGCTTTGTGAGTGGTGGCCGGAGCA
 TCAACGTTACTGGCCAGGGCTTACGCTCATCCAGAAGTTCGCCATGATTGTGATTGCTGAGCCCTTACG
 GTCCTGGCGCGGCGGGGAGGCTGGATCCCTGGAGCCCGTACGGTGTGAGCAGGATGATGAGTGTTC
 TACAATGACACCAAAGTTGTCTTCTTGTCTCCGCTGTCCCTGAAGAACCTGAGGCTTACAACCTACTG
 CGCTGATACAGATGGATGGTTCATCGTGCCCTGCTCAGGACTGAAGCCGGCGCCTTCAATACGTGGCAGA
 CCCCACCTTTGAAAACCTCACGGGTGGGGTCAAAAAGCAGGTCAACAAGCTCATCCATGCCCGGGGAACC
 AATCTGAACAAGGCCATGACGCTGGAGGAGGCGGAAGCATTGTGGGTGCTGAGCGTTGCATTATGAAGA
 CGCTGACTGAGACCGACCTGACTGCGAACCCCAAGTTCAGCCCCACCAAGCGCGGCAGAAAGCG
 AGACACAGCACACAACCTCCCGAGTTCATTGTGAAGTTTGGCTCTCGAGAGTGGTGTAGGCCGGGTG
 GAGTACGACACACGTGCGAGCGACGTGCCTCTCAGTCTCATCCTGCCTTGGTGTGTTGCCATGGTGT
 TTATCATCGTGGTTTCCATCTACTGCTACTGGAGGAAGAGCCAGCAGGCAGAGCGGGAGTATGAGAAGT
 TAAATCCCAGTTGGAGGGCTTGGAGGAGAGCGTGCCTGATCGATGCAAGAAGGAATTCACAGACCTGATG
 ATCGAGATGGAGGACCAGACAAATGATGTGCACAGGCGGGCATCCCCAGCTGGACTATAAGACCTACA
 CTGACAGAGTCTTCTTCCCTGCCATCCAAGGATGGTGACAAGGATGTATGATCACCAGGCAAGCTAGACAT
 CCCTGAGTCACGGCGGCCATTGTGGAGCAAGCCCTTACCAGTTCTCCAACCTGCTCAACAGCAAGTCC
 TTCTTATCAATTTATCCACACCTAGAGAATCAGCGTGAGTTCTCAGCCCGTGCCTAAGTCTACTTTG
 CATCACTGCTGACTGTGGCTCTGCACGGGAAGCTGGAATACTATACAGACATCATGCGCACACTTCTCT
 GGAGCTCATGGAGCAGTATGTGGTGGCAAGAACCCCAAGCTAATGCTGCGCAGGTCTGAGACAGTGGTA
 GAGAGGATGCTGTCCAAGTGGATGTCCATCTGTCTGTACCAGTACCTCAAGGATAGTGCAGGTGAGCCCC
 TATAAAGCTCTTCAAGGCCATCAAACACCAGGTGGAAGGGGGCCCGTGGATGCTGTGAGAAAGAACGGC
 CAAGTACACCCTCAATGACACAGGGCTGCTTGGGGATGATGTTGAATATGCACCTCTGACGGTGAAGCTG
 ATCGTTACAGGATGAAGGGATTGATGCCATTCCAGTTAAGGTCTCAACTGCGACACCATCTCTCAGTCA
 AAGAGAAGATCATTGACCAGGTGTACCGTACTCAGCCCTGCTCCTGTTGGCCCAAGCCTGACAGTGTGGT
 GCTTGAATGGCGTCTGGGTCCACGGCCAGATTCTGTCTGACTTGGACCTTACCTCCAGCGGGAAGGC
 CGGTGGAACGGATCAACACCTTGTGCACTACAATGTCCGGGATGGAGCCACCTTATCCTGTCTAAGG
 TGGGAGTCTCCAGCAGCCAGAAGACAGCAACAGGACCTGCCTGGGGAACGCCATGCTCTTCTAGAAGA
 GAAAAACCGTGTGTGCACTTGGTGCAGCAACAGATGAGGTAGACGAGGGCAAGTCCAAGCGGGCAGC
 ATGAAGGAGAAAGAGCGGACCAAGGCCATCACCAGATCTACCTGACGCGGCTACTCTCCGTCAAGGGCA
 CACTGCAGCAGTTTGTGGACAACCTTCTCCAGAGCGTGTGGCCCCGGGCACGCGGTACCACCCGAGT
 CAAGTACTTCTTTGATTTCTTAGACGAGCAGGCAGAGAAGCATGACATCCGAGATGAGGATACCATCCAC
 ATCTGGAAAACCAACAGTTTACCACTTCGGTCTGGGTGAACATCCTGAAGAACCCTCATTTTCTTTG
 ATGTCCACGTCCATGAAGTGGTGGATGCCTCCCTGTGGTCAATGCGCAGACCTTATGGACGCTGCAC
 TCGCACAGAGCACAAGCTGAGCCGAGACTCTCCAGTAAACAGCTGTTGTATGCTAAAGAGATCTTACC

TACAAGAAGATGGTGGAGGACTACTACAAGGGCATCCGACAGATGGTGCAGGTCAGCGACCAGGACATGA
 ATACACACTTGGCGGAGATTTCCCGGGCTCACACGGACTCCCTGAACACACTTGTGGCACTACACCAGCT
 CTACCAATACACTCAAAAGTACTATGACGAGATCATCAATGCTTTGGAGGAAGACCCTGCAGCCAAAAG
 ATGCAGTTGGCCTTCGCCTGCAGCAGATTGCCGCTGCGCTCGAGAATAAGGTTACAGACCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001108106
- Insert Size:** 5526 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001108106.1](#), [NP_001101576.1](#)
- RefSeq Size:** 6769 bp
- RefSeq ORF:** 5526 bp
- Locus ID:** 315217
- Cytogenetics:** 7q34