

Product datasheet for **SC309906**

PLXNC1 (NM_005761) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLXNC1 (NM_005761) Human Untagged Clone
Tag: Tag Free
Symbol: PLXNC1
Synonyms: CD232; PLXN-C1; VESPR
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005761 edited
 AGGCCACCATGGAGGTCTCCCGGAGGAAGGCGCCCGCCCCCGCCCCGACGCG
 CCACTGCCCTGCTCGCCTATCTGCTGGCACTGGCGGCTCCCGGCCGGGCGCGGACGAG
 CCCGTGTGGCGGTTCGAGCAAGCCATCGGAGCCATCGCGGCGAGCCAGGAGGACGCGGTG
 TTTGTGGCGAGCGGACAGCTGCCTGGACAGCTGGACTACAGCCTGGAGCAGACCTCTCG
 CGCCTGTACCGGGACCAAGCGGGCAACTGCACAGAGCCGGTCTCGCTGGCGCCCCCGCG
 CGGCCCGGCCGGGAGCAGCTTCAGCAAGCTGCTGCTGCCCTACCGCGAGGGGGCGGCC
 GGCCTCGGGGGTGTGCTCACCAGGCTGGACCTTCGACCGGGGCGCCTGCGAGGTGCGG
 CCCCTGGCAACCTGAGCCGCAACTCCCTGCGCAACGGCACCGAGGTGGTGTCTGTGCCAC
 CCGCAGGGCTCGACGGCCGGCTGGTGTACCGCGGGGCCGGAACAACCGCTGGTACCTG
 GCGGTGGCGGCCACTACGTGCTGCCTGAGCCGGAGACGGCGAGCCGCTGCAACCCGCG
 GCATCCGACCACGACACGCCATCGCGCTCAAGGACACGGAGGGGCGCAGCTGGCCACG
 CAGGAGCTGGGGCGCCTCAAGCTGTGCGAGGGCGCGGGCAGCCTGCACTTCGTGGACGCC
 TTTCTCTGGAACGGCAGCATCTACTTCCCTACTACCCCTACAATAACAGAGCGCGCT
 GCCACCGGCTGGCCAGCATGGCGCGCATCGCGCAGAGCACCGAGGTGCTGTTCCAGGGC
 CAGGCATCCCTCGACTGCGGCCACGGCCACCCGACGGCCCGCCTGCTCCTCTCTCC
 AGCCTAGTGGAGGCCCTGGACGTCTGGGCGGGAGTGTTCAGCGCGGCCGCTGGAGAGGGC
 CAGGAGCGGGCTCCCCACCACCGCGCTCTGCCTTTCAGAATGAGTGAGATCCAG
 GCGCGCCCAAGAGGGTTCAGCTGGGACTTCAAGACGGCCGAGAGCCACTGCAAAGAAGGG
 GATCAACCTGAAAGAGTCCAACCAATCGCATCATCTACCTTGATCCATTCCGACCTGACA
 TCCGTTTATGGCACCGTGGTAATGAACAGGACTGTTTTATTCTTGGGACTGGAGATGGC
 CAGTTACTTAAGTTATTCTTGGTGAAGATTTGACTTCAAATTGTCCAGAGGTTATCTAT
 GAAATTAAGAAGAGACACCTGTTTTCTACAACTCGTTCCTGATCCTGTGAAGAATATC
 TACATTTATCTAACAGCTGGAAAGAGGTGAGGAGAATTCGTGTTGCAAATGCAATAAA
 CATAAATCCTGTTTCGGAGTGTAAACAGCCACAGACCCTACTGCGGTTGGTGCCATTTCG
 CTACAAAGGTGCACTTTTCAAGGAGATTGTGTACATTAGAGAACTTAGAAAAGTGGCTG
 GATATTTCTGCTGGAGCAAAAAAGTGCCCTAAAATTCAGATAATTCGAAGCAGTAAAGAA



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AAGACTACAGTACTATGGTGGGAAGCTTCTCTCCAAGCACTCAAAGTGCATGGTGAAG
AATGTGGACTCTAGCAGGGAGCTCTGCCAGAATAAAAGTCAGCCCAACCGGACCTGCACC
TGTAGCATCCCAACCAGAGCAACCTACAAAAGATGTTTCAGTTGTCAACGTGATGTTCTCC
TTCGGTCTTGGAAATTTATCAGACAGATTCAACTTTACCAACTGCTCATCATTAAAAAGAA
TGCCCAGCATGCGTAGAACTGGCTGCGCGTGGTGTAAAAGTGCAAGAAGGTGTATCCAC
CCCTTCACAGCTTGCACCCCTTCTGATTATGAGAGAAACCAGGAACAGTGTCCAGTGGCT
GTGCGAAGACATCAGGAGGAGGAAGACCCAAGGAGAACAAGGGGAACAGAACCAACCAG
GCTTTACAGTCTTCTACATTAAGTCCATTGAGCCACAGAAAAGTATCGACATTAGGGAAA
AGCAACGTGATAGTAACGGGAGCAAACCTTACCCGGGCATCGAACATCACAATGATCCTG
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CACATGAAATTCTCTTCCATCAAGCCGAAAGAAAATGAAGGATGTGTATCCAGTTT
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AGAAATCAAGATCTTACCACCATCCTTTGCAAAATTAAGGCATCAAGACTGCAAGCACC
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CAGGAGTCAGTTCCTTCCACATGGTATTTTCTGATTGTGCTCCCTGTCTTGTAGTGATT
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AGTCAACAACACTAGAATTGCTGGAAGCGAGCTCCGGAAGAGATACGTGACGGCTTTGCT
GAGCTGCAGATGGATAAATTGGATGTGGTTGATAGTTTTGGAAGTGTTCCTTCTTGC
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GCCCTAATCTGTAATAAAAGCTTTCTTGTACTGTATCCACACCCTTGAAGCAGAAAG
AACTTTTCTGTAAGGACAGGTGTCTGTTGCCTCCTTCTAACCATTGCACTGCAAAAC
AAGCTGGTCTACCTGACCAGCATCCTAGAGGTGCTGACCAGGGACTTGATGGAACAGTGT
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ACAAACTGGATGTCCGTCTGCCTTTCTGGATTTCTCCGGGAGACTGTCCGAGAGCCCTTC
TATTTGCTGGTGACGACTCTGAACCAGAAAATTAACAAGGGTCCCGTGGATGTAATCACT
TGCAAAGCCCTGTACACACTTAATGAAGACTGGCTGTTGTGGCAGGTTCCGGAATTCAGT
ACTGTGGCATTAAACGTCGTCTTTGAAAAATCCCGGAAAACGAGAGTGCAGATGTCTGT
CGGAATATTTTCAATGTTCTCGACTGTGACACCATTGGCCAAGCCAAAGAAAAGATT
TTCCAAGCATTCTTAAGCAAAAATGGCTCTCCTTATGGACTTCAGCTTAATGAAATTTGGT
ATTCTTGAAGATGGAATCACCAAGCTAAACACCATTGGCCACTATGAGATATCAAATGGA
TCCACTATAAAAGTCTTTAAGAAGATAGCAAATTTTACTTCAGATGTGGAGTACTCGGAT
GACCACTGCCATTTGATTTTACCAGATTGGAAGCATTCCAAGATGTGCAAGGAAAGAGA
CATCGAGGGAAGCACAAGTTCAAAGTAAAAGAAAATGTATCTGACAAAGCTGCTGTGAC
AAGGTGGCAATTCATTCTGTGCTTGAAAAACCTTTTGAAGCATTGGAGTTTACCCAAC
AGCAGAGCTCCATTTGCTATAAAATACTTTTTGACTTTTTGGACGCCAGGCTGAAAAC
AAAAAATCACAGATCCTGACGTCGTACATATTTGAAAAACAAACAGCCTTCTCTTCGC
TTCTGGGTAACATCCTGAAGAACCCTCAGTTTGTCTTTGACATTAAGAAGACACCACAT
ATAGACGGCTGTTTGTGAGTATTGCCAGGCATTCATGGATGCATTTTCTCTCACAGAG
CAGCAACTAGGGAAGGAAGCACCAACTAATAAGCTTCTCTATGCCAAGGATATCCAACC
TACAAAGAAGAAGTAAAATCTTATTACAAAGCAATCAGGGATTTGCCTCCATTGTCATCC
TCAGAAATGGAAGAATTTTAACTCAGGAATCTAAGAAACATGAAAATGAATTTAATGAA
GAAGTGGCCTTGACAGAAATTTACAAATACATCGTAAAAATTTTTGATGAGATTCTAAAT
AAACTAGAAGAGAACGAGGGCTGGAAGAAGCTCAGAAACAACTTTCATGTAAGAAATC

TTATTTGATGAAAAGAAGAAATGCAAGTGGATGTAAGGCCTCATGGGCCAGCTTCTTG
TAC

Restriction Sites:	Please inquire
ACCN:	NM_005761
Insert Size:	5000 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005761.1.
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:	<u>NM_005761.1</u> , <u>NP_005752.1</u>
RefSeq Size:	5121 bp
RefSeq ORF:	4707 bp
Locus ID:	10154
UniProt ID:	<u>O60486</u>
Cytogenetics:	12q22
Domains:	Sema, PSI, IPT, PSI
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>This gene encodes a member of the plexin family. Plexins are transmembrane receptors for semaphorins, a large family of proteins that regulate axon guidance, cell motility and migration, and the immune response. The encoded protein and its ligand regulate melanocyte adhesion, and viral semaphorins may modulate the immune response by binding to this receptor. The encoded protein may be a tumor suppressor protein for melanoma. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jan 2011]</p> <p>Transcript Variant: This variant (1) encodes the functional protein.</p>