

Product datasheet for MC224697

Plxnc1 (NM_018797) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plxnc1 (NM_018797) Mouse Untagged Clone
Tag: Tag Free
Symbol: Plxnc1
Synonyms: 2510048K12Rik; AW742158; CD232; Vespr
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224697 representing NM_018797
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGTCTCCCGGAGGAAGACGCCGCCGCGCCCCCGTACCCCGCCGACCGTTGCCCTGATCGCCT
 ATCTGCTGGCGCTGGCAGCGCCCCCGGGCGCGGACGACCGGTGTGGCGATCTGAGCAAGCCATCGG
 AGCCATCGCGGCGAGCCGGGCGGACGGCGTGTTCGTGGCGAGCGGACGCTGCCTGGACCAGCTGGACTAC
 AGCCTGAAGAACAGGCTCTCTCGCCTATACCGGGACCAAGCGGGCAACTGCACGGAGCCCGTCTCGTTGG
 CGCCCCCGCGCGGCCCGGGCCGGGAGCAGCTTCAGCAAGCTACTGCTGCCCTACCGCGAGGGGGCGAC
 CGGCCTCGAGGGGCTGCTGCTCACCGGTGGACCTTCGACCGGGGCGCCTGCGAGGTGCGGCCCTGGGC
 AACCTGAACCGCAGCTCCCTGCGCAACGGCACCAGGTGGTGTGTCATGTCACCCGAGGGTTCGACGGCTG
 GTGTGGTGTACCGCGGAGTGGCACCGACCTCTGGTACCTGGCGGTGGCCGCCACCTATGTGCTGCCGA
 GCCGGAGACCGGAACCGCTGCAACCCCGCAGCATCCGATCGCGACACGGCTATCGCGCTAAGAACACG
 GAGGGGCGCAGTCTGGCCACGACGAGCTGGGCCCGCTGAAACTGCGCGGTAGTGGGGCAGCCTGCACT
 TCGTGGACGCTTCTCTGGAACGGCAGTGTCTACTTCCCCTACTATCCCTACAACACTACAGAGTGGCGC
 TGCCACCGGCTGGCCAGCATGGCGCGCATCGCGCAGAGCACAGAGGTGCTGTTCCAGGGCCAGGCTGCC
 CTCGACTGCGACCACGGCCACCTGAGGGCCGCCCTACTGCTTTCCTCCAGCCTGGTGGAGGCTGTGG
 ACATCTGGGCCGGCGTGTTCAGCGCGGCCACTGGAGAGGGCCAGGAGAGGCGCTCCCCGCCACCACGGC
 TCTCTGCCTTTCAGGATGAGTGAGATCCAGGCGCAGCCAGGAGCTGCAGCTGGGACTTTCAGCGACT
 GAGCACAACCTGCAAGAAGGGGATCGGCCCTGAACGGGTCCAGCCAATTGCATCGTCTACACTGATCCACT
 CTGACCTGACGTCTGTTTATGGCACCGTGGTGTGAACAGGACTGTTCTGTTCTGGGGACCGGAGATGG
 CCAGTTACTGAAGTTGTTCTTGGTGAATTTGACTTCAAACGTCCAGAGGTTATTTATGAAATTA
 GAAGAAACGCCTGTGTTCTACAAGCTCGTTCCTCATCCCATGAAGAACATCTACATCTACCTAACAGCTG
 GGAAGGAGGTGAGAAGAATTCTGTTGCAAACCTGCAAGTAAACGGAAATCTGTTCCAGAGTCTTAGCAGC
 GGCAGACCCCACTGTGGCTGGTGCCTCCCGTTACAAAGGTGCACTTTTCAAGGGGATTGCACACATGCT
 GGGAGCTTTGAAACTGGCTGGATATTTTCATCAGGACCTAAAAATGCCGAAAATTCAGATACTTCGAA



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GCCTCCGAGAGAGAACCACAGTGACCATTGTGGGAAGCATCTCCGCAAGACACTCGGAGTGCGTGGTGAA
 GAACGCAGACACGGGCAAGCTGCTCTGCCAGGGGAGAAGCCAAGTGAAGTGGACCTGTGCCTGCAATATC
 CCCAGCAGACCCAGCTATAATGTCTTAGTTGTCAATGCGACCTTCTCCTTTCCGCTTTGGAACCTTATCAG
 AAAGATTCAACTTCAACCAACTGTGCGTCATTAAGAATGCCCGGCGTGTATCAGAAGCGGCTGTGCTTG
 GTGTAACGGGACAAGAAATGCATCCACCCCTTACCCCTGCGAACCATCAGACTATGAGAGGAATCAG
 GAGCTCTGTCAAGTTGCTGTGGAGAAGTCGCCAAGGACTCAGGAGGAGGAAGAGTCAAGGAGAGCAAGA
 GAAACAGAAGTACGCGGCTGTGCAGGCTTCTACATTAAGGCCATTGAGCCACAAAAATATCAACCTT
 AGGGAAAAGCAATGTGATTGTTACTGGAGCAAACCTTACCCAGGGCTCAAATATCCATGATCCTGCGA
 GGAACCGTACCTGCGAGAGGGATGTGATCCGGTTAGCCATGTGCTAAATGACACGCATATGAAATTCT
 CACTTCCATCAAGCCGAAAGAAATGAAAGACGTTTGCATCCAGTTTACGCGTGGGACCTGCTCGTCTGC
 AGGGGCTCTGTCTACATTGCTCTGCCACATTGTTCCCTGATAGTTTCTGCCACCACCTGGATCAGCGGT
 GGGCAAAACATAACCATCATGGGCAGAAATTTGACGTCATCGACAACCTCATCTTTCACACGAGCTGA
 AGGAAACGCAATGTGAACATAAATGTCTCTGAATACTGCGCAGCAACTTCTGCAGGTTTCTAGCTCC
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 TGTGGAACGCTGCAATACCTCGAGGACCCAGATTTACAGGGTACCGAGTGGAGTCAAGATTGATACAG
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 ATCCTTTGCAAGATCAAGAGTATCAAGAATGCAAAACCATCGCTAGCTCCTTAAAAAAGTCCGCGTCA
 AGCTGGGAAACCTGGAACCTATGTGGAACAGGAATCAGTTTCTTCCACGTGGTATTTTCTAATCGCGCT
 TCCAATCTTGCTGGCCATTGTATCGTTGTGGCTGTGGTGGTACGAGGTACAAAACCAAGGAGCTCAGT
 CGAAAGCAGAGCCAACAGCTGGAGCTGCTGGAGAGCGAACTCCGGAAGGAGATCCGCGACGGCTTTGCCG
 AGCTCCAGATGGATAAGTTGGATGTGGTGTAGCTTTGGAACAGTACCCTTCTTGACTACAAACATTT
 CGCTCTGAGAACCTTCTCCCTGAGTCAGTGGCTTACGCACATCTTCACTGAAGATGCACAACAGA
 GACGCCAATGACAAGAACGAGAGCCTCACAGCCTTGGATGCCCTCATATGTAATAAAAGCTTCTGGTTA
 CCGTCATCCATACCCTGGAGAAGCAGAAGAACTTCTCAGTAAAGGACAGGTGTCTCTTCGCTCCTTCT
 AACCATGCTCTGCAACCAAACTGGTCTACCTGACCAGCATCCTGGAGGTGCTGACCAGGGACCTGATG
 GAGCAGTGCAGTAATATGCAACCAAGCTGATGCTGAGGCGCACGGAGTCTGTGGTGGAGAAGCTCCTGA
 CGAACTGGATGTCTGTCTCTCCGGTTTCTCCGGGAGACTGTTGGAGAGCCATTCTATTTGCTGGT
 GACGACCTGAACCAGAAAATAACAAGGGTCCCGTGGACGTGATCACCTGCAAAGCGTGTACACCCTG
 AACGAAGACTGGCTACTCTGGCAGTCCCGAATTCAACACTGTGGCATTAAATGTCGTCTTTGAAAAA
 TCCCGAAAACGAGAGTGCAGATGTCTGCCGAATATTTAGTCAACGTTCTTGACTGCGATACCATAGG
 CCAAGCCAAAGAAAAGGTTTTCCAAGCCTTCTAAGCAAAAATGTTTCTCATACGGACTCCAGCTCAAT
 GAGATTGGTCTTGAGCTTCAAGTGGGAACCGGCAGAAAGAACTCCTGGACATTGACAGTTCTCTGTGA
 TTCTTGAAGATGGAATAACCAAGCTAAACACCATTGGCCACTATGAGATACAAATGGATCCACTATAAA
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 CCAGATTGAGAAGCATTCCAAGTGTCAAGGGGAGAGACATCGAGGGAAAACACAAGTTCAAAGTAAAAA
 AAATGTATCTGACCAAGCTGCTGTGCACCAAGGTGGCAATTCACCTGTGCTTGGAAAACCTTCCGAAG
 CATTGGAGTTTGCCCAATAGCAGGGCCCAATTTGCTATAAAATACTTCTTTGACTTTCTGGATGCCAA
 GCTGAAAACAAAAAATCACAGACCCTGATGTTGTACACATCTGGAAAACAAACAGCCTCCCTCTTCGAT
 TCTGGGTAACATCCTGAAGAACCCTCAGTTTGTCTTTGACATTAAGAAGACACCACACATAGACAGCTG
 TTTGTCAGTGATTGCCAAGCATTATGATGATGCTTTTCTCTCACAGAACAGCAACTGGGGAAGGAAGCA
 CCAACCAATAAATTTCTATGCAAGGATATACCAACCTACAAAGAGGAAGTGAAGTCTTACTACAAAG
 CAATCAGGGATTTGCCTCCATTGTATCTTTAGAAATGGAAGAATTCTTAACTCAGGAATCTAAGAAACA
 TGAAAATGAATTTAATGAAGAAGTGGCCTTGACAGAAATCTACAATAACATCGTAAAGTATTTTGTAG
 ATTCTAAATAAATAAGAAAGAGACGAGGGCTGGAAGAAGCTCAGAAACAACCTTTCATGATGTAAGTCT
 TATTTGATGAAAAGAAGAAATGCAAGTGGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_018797

Insert Size:	4725 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:	<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_018797.2</u> , <u>NP_061267.1</u>
RefSeq Size:	7059 bp
RefSeq ORF:	4725 bp
Locus ID:	54712
UniProt ID:	<u>Q9QZC2</u>
Cytogenetics:	10 C2
Gene Summary:	Receptor for SEMA7A, for vaccinia virus semaphorin A39R and for herpesvirus Sema protein. Binding of semaphorins triggers cellular responses leading to the rearrangement of the cytoskeleton and to secretion of IL6 and IL8 (By similarity).[UniProtKB/Swiss-Prot Function]