

Product datasheet for **RN205807**

Nrp1 (NM_145098) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrp1 (NM_145098) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nrp1
Synonyms:	Nrp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205807 representing NM_145098
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAGGGGGCTGCCGTTGCTGTGCGCCACGCTCGCCCTTGCCCTCGCCCTGGCGGGCGCTTCCGCA
 GCGATAAATGTGGCGGGACTATAAAAAATTGAAAACCCGGGTACCTTACATCTCCCGCTACCCCTATT
 TTACCATCCAAGTGAGAAATGTGAATGGCTAATCCAAGCTCCGGAGCCCTACCAGAGAATCATGATCAAC
 TTCAACCCACATTTTCGATTTGGAGGACAGAGACTGCAAGTATGACTATGTGGAAGTGATCGATGGAGAGA
 ATGAAGGTGGCCGCTGTGGGGAAGTTCTGTGGGAAGATCGCACCTTACCTGTGGTGTCTTCAGGGCC
 ATTTCTCTTCATCAAATTTGCTCTGACTATGAGACCCACGGGGCAGGATTTTCCATCCGCTATGAAATC
 TTCAAGAGAGGGCCGAATGTTCTCAGAACTATACAGCACCTACTGGAGTGATAAAGTCCCTGGTTCC
 CTGAAAAATACCCCAACAGCTTGGAGTGCACCTACATCATCTTTGCACCAAAGATGTCTGAGATAATCCT
 AGAGTTTGAAAGTTTTCGACTGGAGCAAGACTCAAATCCTCCCGAGGAGTGTCTGTGCTATGACCGG
 CTGGAGATCTGGGATGGATTCCCTGAAGTTGGCCCTCACATTGGGCGTACTGTGGGCAGAAAACCTCTG
 GCCGGATCCGCTCCTCTCAGGCATTCTATCCATGGTCTTCTACACTGACAGCGCAATAGCAAAGGAAGG
 TTTCTCAGCCAACACAGCGTGCAGAGCAGCATCTCTGAAGATTTCAAGTGTATGGAGGCTCTGGGC
 ATGGAATCTGGAGAGATCCATTCTGACCAGATCACTGCATCTTCCAGTATGGTACCAACTGGTCTGTTG
 AGCGCTCCCGCTGAACTACCCTGAAAACGGGTGGACACCAGGAGAGGACTCCTACAGGGAGTGGATCCA
 GGTGGACTTGGCCCTCCTGCGATTCGTTACTGCTGTGGGACACAGGGTCCATTTCCAAGGAAACCAAG
 AAGAAATATTATGTCAAGACTTACAGAGTAGACATCAGCTCCAACGGAGAGGACTGGATCACCCCTGAAG
 AGGAAAATAAGCCATTATCTTTCAGGGAAAACCAATCCACGGATGTTGTCTTTGGATTTTCCCAA
 ACCACTGATAACTCGATTTGTCGGAATCAAACCTGCATCCTGGGAACTGGAATATCTATGAGATTTGAA
 GTTTATGGCTGCAAGATAACAGATTACCCTTGCTCTGGAATGTTGGGCATGGTGTCTGGACTTATTTGAG
 ACTCCCAGATTACAGCATCCAACCAAGGAGACAGGAAGTGGATGCCAGAAAAACATCCGCTGGTACCAG
 TCGAACCGGCTGGGCCCTGCCACCCTCACCCACCCATACATCAATGAATGGCTCCAAGTGGACCTGGGA
 GATGAGAAGATAGTAAGAGGTGCATCATTCAAGGTGGGAAGCACCGAGAAAAACAAAGTGTTCATGAGGA
 AGTTCAAGATCGCTACAGTAACAATGGTTCTGACTGGAAAATGATCATGGATGACAGCAAGCGCAAGGC
 TAAGTCTTTTGAAGGCAACAACAATATGACACACCTGAGCTCCGGGCCCTTACACCTCTCTCCACAAGA
 TTCATCAGGATCTACCCGAGAGAGCCACACATAGTGGGCTCGGACTGAGGATGGAGCTACTGGGCTGTG
 AAGTAGAAGTGCCTACAGCTGGACCCACGACACCCAATGGGAACCCCGTGGACGAGTGTGACGATGACCA
 GGCAACTGCCACAGTGGCACAGGTGATGACTTCCAGCTCACAGGAGGCACCACTGTCCTGGCCACAGAG
 AAGCAACCATTATAGACAGCACCATCCAATCAGAGTTCGACATACGGTTTTAACTGCGAGTTTGGCT
 GGGGCTCTCACAAGACATTCTGCCACTGGGAACATGACAGCCACGCGCAGCTCAGGTGGAGGGTGTGAC
 CAGCAAGACGGGGCCATTACAGGACCACACAGGAGATGGCAACTCATCTATTTCCAAAGCTGATGAAAA
 CAGAAAGGCAAAGTAGCCCGCTGGTGAACCTGTGGTCTATTTCCAGAGTCTGCCACTGCATGACCT
 TCTGGTATCACATGTCCGGCTCTCATGTGGTACACTGAGGGTCAAACCTGCACTACCAGAAGCCAGAGGA
 ATATGATCAACTGGTCTGGATGGTGGTGGGACCAAGGAGACCCTGGAAGGAAGGGCGTGTCTTGCTG
 CACAAATCTCTGAAACTGTATCAGGTTATTTTTGAAGGTGAAATCGGAAAAGGAAACCTCCGTGGGATTG
 CTGTGGATGATATCAGTATTAACAACCACATTCCTCAGGAGGACTGTGCAAAACCAACAGACCTAGATAA
 AAAGAACACAGAAATTAATAAGATGAAACAGGGAGCACCCAGGATATGAAGAAGGAAAGGCGACAAG
 AACATCTCAGGAAGCCAGGCAATGTGCTTAAGACCCTGGACCCATCCTGATCACCATCATAGCCATGA
 GTGCCCTGGGGTGTCTGGTGCAGTCTGTGGAGTTGTGCTGTACTGTGCTGTTGGCACAATGGGAT
 GTCGAAAGGAACCTATCTGCCCTGGAGAACTATAACTTTGAACTTGTGGATGGTGTAAAGTTGAAAAA
 GATAAACTGAACCCACAGAGTAATTACTCAGAGGCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_145098
Insert Size:	2769 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:	NM_145098.2 , NP_659566.1
RefSeq Size:	3862 bp
RefSeq ORF:	2769 bp
Locus ID:	246331
UniProt ID:	Q9QWJ9
Cytogenetics:	19q12
Gene Summary:	transmembrane protein that acts as a receptor for semaphorin III; may play a role in neuronal development [RGD, Feb 2006]