

Product datasheet for **MC222518**

Nrp2 (NM_001077406) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrp2 (NM_001077406) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nrp2
Synonyms:	1110048P06Rik; Np-2; Np2; Npn-2; Npn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222518 representing NM_001077406
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATATGTTTCTCTTACCTGGGTTTTCTAGCTCTGTACTTTTCAGGACACGAAGTGAAGCCAGC
 AAGATCCACCCTGCGGAGGTCGGCTGAATTCCAAAGATGCTGGCTACATCACTTCCCAGGCTACCCCA
 GGACTATCCCTCCCACCAGAAGTGTGAGTGGATTGTCTACGCCCCGAACCAACCAAGAAGATTGTTCTC
 AACTTCAACCCTCACTTTGAAATCGAGAAAACGACTGCAAGTATGACTTCATTGAGATTCGGGATGGGG
 ACAGTGAGTCAGCTGACCTCCTGGGCAAGCACTGTGGAAACATCGCCCCGCCACCATCATCTCCTCAGG
 CTCCGTGTTATACATCAAGTTCACCTCAGACTACGCCCGCAGGGGGCAGGTTTTCTCTACGCTATGAG
 ATCTTCAAACAGGCTCTGAAGATTGTTCCAAGAACTTTACAAGCCCAATGGGACCATTGAATCTCCAG
 GGTTTCCAGAGAAGTATCCACACAATCTGGACTGTACCTTACCATCCTGGCCAAACCCAGGATGGAGAT
 CATCTACAGTTCCTGACCTTTGACCTGGAGCATGACCCTCTACAAGTGGGGGAAGGAGACTGTAATAT
 GACTGGCTGGACATCTGGGATGGCATTCCACATGTTGGACCTCTGATTGGCAAGTACTGTGGGACGAAAA
 CACCCTCAAACCTCCGCTCGTCCACGGGGATCCTCTCCTTGACCTTTACACGGACATGGCAGTGGCCAA
 GGATGGCTTCTCCGCACGTTACTATTTGATCCACCAGGAGCCACCTGAGAATTTTCAGTGAATGTCCCT
 TTGGGAATGGAGTCTGGCCGGATTGCTAATGAACAGATCAGTGCCTCCTCCACCTTCTCTGATGGGAGGT
 GGACTCCTCAACAGAGCCGGCTCCATGGTGATGACAATGGCTGGACACCAATTTGGATTCCAACAAGGA
 GTATCTCCAGGTGGACCTGCGCTTCTAACCATGCTCACAGCCATTGCAACACAGGGAGCCATTTCCAGG
 GAAACCCAGAAAGGCTACTACGTCAAATCGTACAAGCTGGAAGTCAAGCAAAATGATGCGACCCAGGTGGT
 TCTACCGCATGGCAAAAACCAAGATATTTCCAAGCGAACAATGATGCGACCCAGGTGGTGTCTAAACAA
 GCTCCACATGCCACTGCTGACTCGGTTTCATCAGGATCCGCCCGCAGACGTGGCATTGGGCAATGGCCCTT
 CGCCTGGAGCTCTTTGGCTGCCGGTCCACAGATGCACCCTGCTCCAACATGCTGGGGATGCTCTCGGGCC
 TCATTGCTGATACCCAGATCTCTGCCTCCTCCACCCGAGAGTACCTCTGGAGCCCCAGTGTGCCCGCT
 GGTTAGTAGCCGCTCTGGCTGGTTTCTCGAACCCTCAAGCCAGCCAGGTGAAGAATGGCTTCAGGTA
 GACCTGGGACACCCAAGACAGTAAAGGGTTCATCATCCAGGGAGCCGAGGAGGAGACAGCATCACTG
 CCGTGGAAACCCAGGGCTTTGTACGCAAGTTCAAAGTCTCTACAGCCTAAATGGCAAGGACTGGGAATA
 TATCCAGGACCCAGGACTCAGCAGACAAAGCTGTTTGAAGGGAACATGCACTATGACACCCTGACATC
 CGAAGGTTTCGATCCTGTTCCAGCGCAGTATGTGCGGGTGTACCCAGAGAGGTGGTCCGACAGGCATCG
 GGATGAGGCTGGAGGTGCTGGGCTGTGACTGGACAGACTCAAAGCCACAGTGGAGACGCTGGGACCCAC
 CGTGAAGAGTGAAGAGACTACCACCCATATCCCATGGATGAGGATGCCACCGAGTGTGGGGAAAATGC
 AGCTTTGAGGATGACAAAGATTTGCAACTTCCTTCAGGATTCAACTGCAACTTTGATTTTCCGGAAGAGA
 CCTGTGGTTGGGTGTACGACCATGCCAAGTGGCTCCGGAGCACGTGGATCAGCAGCGTAACCCCAATGA
 CAGAACATTTCCAGATGACAAGAAGTCTTGAAGTGCAGAGTGTGGCCGACGAGAGGGCCAGTACGGG
 CGGCTCATCAGCCACCGGTGCACCTGCCCCGAAGCCCTGTGTGCATGGAGTTCAGTACCAAGCCATGG
 GCGGCCACGGGTGGCACTGCAGGTGGTTCGGGAAGCCAGCCAGGAAAGCAAACCTCTTTGGTTCATCCG
 TGAGGACCAGGGCAGCGAGTGAAGCACGGGCGCATTATCCTGCCAGCTATGACATGGAGTATCAGATC
 GTTTTCGAGGGAGTGATAGGGAAGGGACGATCCGGAGAGATTTCCATCGATGACATTCGATAAGCACTG
 ATGTCCCACTGGAGAAGTGCATGGAACCATATCAGCTTTTGCAGGTGAGGATTTTAAAGGGGGACCCCT
 CCCGCCAGGGACCGAGCCACAGTGGACACGGTGCCTGTCAGCCATCCAGCCTACTGGTATTACGTT
 ATGGCGGCCGGGGCGCCGTGCTGGTGTGGCCTCCGTCGTCCTGGCCCTGGTGTCCACTACCACCGGT
 TCCGCTATGCGGCCAAGAAGACCGATCACTCCATCACCTACAAAACCTCCCACTACCAACCGGGGCCCC
 TCTGGCGTTCGAGCCACCCTAACCTAAGCTAGAGCAAGAGCGGGGCTCGCACTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001077406

Insert Size:	2721 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_001077406.1</u> , <u>NP_001070874.1</u>
RefSeq Size:	4711 bp
RefSeq ORF:	2721 bp
Locus ID:	18187
Cytogenetics:	1 C2
Gene Summary:	High affinity receptor for semaphorins 3C, 3F, VEGF-165 and VEGF-145 isoforms of VEGF, and the PLGF-2 isoform of PGF.[UniProtKB/Swiss-Prot Function]