

## Product datasheet for **MC222519**

### **Nrp2 (NM\_001077405) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nrp2 (NM_001077405) 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:** >MC222519 representing NM\_001077405  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATATGTTTCTCTTACCTGGGTTTTCTAGCTCTGTACTTTTCAGGACACGAAGTGAAGCCAGC  
 AAGATCCACCCTGCGGAGGTCGGCTGAATTCCAAAGATGCTGGCTACATCACTTCCCAGGCTACCCCCA  
 GGACTATCCCTCCCACCAGAAGTGTGAGTGGATTGTCTACGCCCCGAACCCAACCAAGAAGATTGTTCTC  
 AACTTCAACCCTCACTTTGAAATCGAGAAAACGACTGCAAGTATGACTTCATTGAGATTCGGGATGGGG  
 ACAGTGAGTCAGCTGACCTCCTGGGCAAGCACTGTGGAAACATCGCCCCGCCACCATCATCTCCTCAGG  
 CTCCGTGTTATACATCAAGTTCACCTCAGACTACGCCCGCAGGGGGCAGGTTTTCTCTACGCTATGAG  
 ATCTTCAAACAGGCTCTGAAGATTGTTCCAAGAACTTTACAAGCCCAATGGGACCATTGAATCTCCAG  
 GGTTTCCAGAGAAGTATCCACACAATCTGGACTGTACCTTACCATCCTGGCCAAACCCAGGATGGAGAT  
 CATCTACAGTTCCTGACCTTTGACCTGGAGCATGACCCTCTACAAGTGGGGGAAGGAGACTGTAATAT  
 GACTGGCTGGACATCTGGGATGGCATTCCACATGTTGGACCTCTGATTGGCAAGTACTGTGGGACGAAAA  
 CACCCTCAAACCTCCGCTCGTCCACGGGGATCCTCTCCTTGACCTTTACACGGACATGGCAGTGGCCAA  
 GGATGGCTTCTCCGCACGTTACTATTTGATCCACCAGGAGCCACCTGAGAATTTTCAGTGAATGTCCCT  
 TTGGGAATGGAGTCTGGCCGGATTGCTAATGAACAGATCAGTGCCTCCTCCACCTTCTCTGATGGGAGGT  
 GGACTCCTCAACAGAGCCGGCTCCATGGTGATGACAATGGCTGGACACCAATTTGGATTCCAACAAGGA  
 GTATCTCCAGGTGGACCTGCGCTTCTAACCATGCTCACAGCCATTGCAACACAGGGAGCCATTTCCAGG  
 GAAACCCAGAAAGGCTACTACGTCAAATCGTACAAGCTGGAAGTCAAGCACAATGATGCGACCCAGGTGGT  
 TCTACCGCATGGCAAAAACCAAGATATTTCCAAGCGAACAATGATGCGACCCAGGTGGTGTCTAAACAA  
 GCTCCACATGCCACTGCTGACTCGGTTTCATCAGGATCCGCCCGCAGACGTGGCATTGGGCAATGGCCTT  
 CGCCTGGAGCTCTTTGGCTGCCGGTCCACAGATGCACCCTGCTCCAACATGCTGGGGATGCTCTCGGGCC  
 TCATTGCTGATACCCAGATCTCTGCCTCCTCCACCCGAGAGTACCTCTGGAGCCCCAGTGTGCCCGCT  
 GGTTAGTAGCCGCTCTGGCTGGTTTCTCGGAACCCTCAAGCCAGCCAGGTGAAGAATGGCTTCAGGTA  
 GACCTGGGACACCCAAGACAGTAAAGGGTTCATCATCCAGGGAGCCGAGGAGGAGACAGCATCACTG  
 CCGTGGAAACCCAGGGCTTTGTACGCAAGTTCAAAGTCTCCTACAGCCTAAATGGCAAGGACTGGGAATA  
 TATCCAGGACCCAGGACTCAGCAGACAAAGCTGTTTGAAGGGAACATGCACTATGACACCCTGACATC  
 CGAAGGTTTCGATCCTGTTCCAGCGCAGTATGTGCGGGTGTACCCAGAGAGGTGGTCCGACAGGCATCG  
 GGATGAGGCTGGAGGTGCTGGGCTGTGACTGGACAGACTCAAAGCCACAGTGGAGACGCTGGGACCCAC  
 CGTGAAGAGTGAAGAGACTACCACCCATATCCCATGGATGAGGATGCCACCGAGTGTGGGGAAAATGC  
 AGCTTTGAGGATGACAAAGATTTGCAACTTCTTCAGGATTCAACTGCAACTTTGATTTTCCGGAAGAGA  
 CCTGTGGTTGGGTGTACGACCATGCCAAGTGGCTCCGGAGCACGTGGATCAGCAGCGTAACCCCAATGA  
 CAGAACATTTCCAGATGACAAGAAGTCTTGAAGTGCAGAGTATGGCCGACGAGAGGGCCAGTACGGG  
 CGGCTCATCAGCCACCGGTGCACCTGCCCCGAAGCCCTGTGTGCATGGAGTTCAGTACCAAGCCATGG  
 GCGGCCACGGGTGGCACTGCAGGTGGTTCGGGAAGCCAGCCAGGAAAGCAAACCTCTTTGGTTCATCCG  
 TGAGGACCAGGGCAGCGAGTGAAGCACGGGCGCATTATCCTGCCAGCTATGACATGGAGTATCAGATC  
 GTTTCGAGGGAGTGATAGGGAAGGGACGATCCGGAGAGATTTCCATCGATGACATTCGATAAGCACTG  
 ATGTCCCACTGGAGAAGTGCATGGAACCATATCAGCTTTTGCAGATGAATATGAAGGAGATTGGAGCAA  
 CTCTTCTCTCTACCTCAGGGGCTGGTACCCTCATCTGGCAAAGAAAAGAGCTGGCTGTACACCCTA  
 GATCCCATTCTGATCACCATCATCGCCATGAGCTCGTGGGGTCTGCTGGGGGCCACCTGTGCGGGCC  
 TCCTCCTTTACTGCACCTGCTCCTATTCGGGTCTGAGTTCGAGGAGCTGCACCACACTGGAGAATAACA  
 CTTTGAGCTCTACGATGGCCTCAAGCACAAGTCAAGATCAATCATCAGAAGTGTGCTCGGAGGCATGA

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001077405

<b>Insert Size:</b>	2730 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001077405.1</a></u> , <u><a href="#">NP_001070873.1</a></u>
<b>RefSeq Size:</b>	6673 bp
<b>RefSeq ORF:</b>	2730 bp
<b>Locus ID:</b>	18187
<b>Cytogenetics:</b>	1 C2
<b>Gene Summary:</b>	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]