

## Product datasheet for **MC222682**

### **Nrp2 (NM\_001077403) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nrp2 (NM_001077403) 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:** >MC222682 representing NM\_001077403  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATATGTTTCTCTTACCTGGGTTTTCTAGCTCTGTACTTTTCAGGACACGAAGTGAAGAAGCCAGC  
 AAGATCCACCCTGCGGAGGTCGGCTGAATTCCAAAGATGCTGGCTACATCACTTCCCAGGCTACCCCCA  
 GGACTATCCCTCCCACCAGAAGTGTGAGTGGATTGTCTACGCCCCGAACCAACCAAGAAGATTGTTCTC  
 AACTTCAACCCTCACTTTGAAATCGAGAAAACGACTGCAAGTATGACTTCATTGAGATTCGGGATGGGG  
 ACAGTGAGTCAGCTGACCTCCTGGGCAAGCACTGTGGAAACATCGCCCCGCCACCATCATCTCCTCAGG  
 CTCCGTGTTATACATCAAGTTCACCTCAGACTACGCCCGCAGGGGGCAGGTTTTCTCTACGCTATGAG  
 ATCTTCAAACAGGCTCTGAAGATTGTTCCAAGAACTTTACAAGCCCAATGGGACCATTGAATCTCCAG  
 GGTTTCCAGAGAAGTATCCACACAATCTGGACTGTACCTTACCATCCTGGCCAAACCCAGGATGGAGAT  
 CATCTACAGTTCCTGACCTTTGACCTGGAGCATGACCCTCTACAAGTGGGGGAAGGAGACTGTAATAT  
 GACTGGCTGGACATCTGGGATGGCATTCCACATGTTGGACCTCTGATTGGCAAGTACTGTGGGACGAAAA  
 CACCCTCAAACCTCCGCTCGTCCACGGGGATCCTCTCCTTGACCTTTACACGGACATGGCAGTGGCCAA  
 GGATGGCTTCTCCGCACGTTACTATTTGATCCACCAGGAGCCACCTGAGAATTTTCAGTGAATGTCCCT  
 TTGGGAATGGAGTCTGGCCGGATTGCTAATGAACAGATCAGTGCCTCCTCCACCTTCTCTGATGGGAGGT  
 GGACTCCTCAACAGAGCCGGCTCCATGGTGATGACAATGGCTGGACACCAATTTGGATTCCAACAAGGA  
 GTATCTCCAGGTGGACCTGCGCTTCTAACCATGCTCACAGCCATTGCAACACAGGGAGCCATTTCCAGG  
 GAAACCCAGAAAGGCTACTACGTCAAATCGTACAAGCTGGAAGTCAAGCAAAATGATGCGACCCAGGTGGT  
 TCTACCGCATGGCAAAAACCAAGATATTTCCAAGCAACAATGATGCGACCCAGGTGGTGTCTAAACAA  
 GCTCCACATGCCACTGCTGACTCGGTTTCATCAGGATCCGCCCGCAGACGTGGCATTGGGCAATTGCCCTT  
 CGCTGGAGCTCTTTGGCTGCCGGGTACAGATGCACCCTGCTCCAACATGCTGGGGATGCTCTCGGGCC  
 TCATTGCTGATACCCAGATCTCTGCCTCCTCCACCCGAGAGTACCTCTGGAGCCCCAGTGTGCCCGCT  
 GGTTAGTAGCCGCTCTGGCTGGTTTCTCGAACCCTCAAGCCAGCCAGGTGAAGAATGGCTTCAGGTA  
 GACCTGGGACACCCAAGACAGTAAAGGGTTCATCATCCAGGGAGCCGAGGAGGAGACAGCATCACTG  
 CCGTGGAAACCCAGGGCTTTGTACGCAAGTTCAAAGTCTCCTACAGCCTAAATGGCAAGGACTGGGAATA  
 TATCCAGGACCCAGGACTCAGCAGACAAAGCTGTTTGAAGGGAACATGCACTATGACACCCTGACATC  
 CGAAGGTTTCGATCCTGTTCCAGCGCAGTATGTGCGGGTGTACCCAGAGAGGTGGTCCGACAGGCATCG  
 GGATGAGGCTGGAGGTGCTGGGCTGTGACTGGACAGACTCAAAGCCACAGTGGAGACGCTGGGACCCAC  
 CGTGAAGAGTGAAGAGACTACCACCCATATCCCATGGATGAGGATGCCACCGAGTGTGGGGAAAATGC  
 AGCTTTGAGGATGACAAAGATTTGCAACTTCCTTCAGGATTCAACTGCAACTTTGATTTTCCGGAAGAGA  
 CCTGTGGTTGGGTGTACGACCATGCCAAGTGGCTCCGGAGCACGTGGATCAGCAGCGTAACCCCAATGA  
 CAGAACATTTCCAGATGACAAGAAGTCTTGAAGTGCAGAGTATGGCCGACGAGAGGGCCAGTACGGG  
 CGGCTCATCAGCCACCGGTGCACCTGCCCGAAGCCCTGTGTGCATGGAGTTCAGTACCAAGCCATGG  
 GCGGCCACGGGTGGCACTGCAGGTGGTTCGGGAAGCCAGCCAGGAAAGCAAACCTCTTTGGTTCATCCG  
 TGAGGACCAGGGCAGCGAGTGAAGCAGGGCGCATTATCCTGCCAGCTATGACATGGAGTATCAGATC  
 GTTTCGAGGGAGTGATAGGGAAGGGACGATCCGGAGAGATTTCCATCGATGACATTTCGATAAGCACTG  
 ATGTCCCACTGGAGAAGTGCATGGAACCATATCAGCTTTTGCAGGTGAGGATTTTAAAGTGGACATCCC  
 AGAAACCCATGGGGGAGAGGGCTATGAAGATGAGATTGATGATGAATATGAAGGAGATTGGAGCAACTCT  
 TCTTCTCTACCTCAGGGGCTGGTACCCTCATCTGGCAAAGAAAAGAGCTGGCTGTACACCCTAGATC  
 CCATTCTGATCACCATCATCGCCATGAGCTCGTGGGGTCTGCTGGGGCCACCTGTGCGGGCTCCT  
 CCTTTACTGCACCTGCTCCTATTCGGTCTGAGTTCGAGGAGCTGCACCACACTGGAGAACTACAATTT  
 GAGCTCTACGATGGCCTCAAGCACAAGGTCAAGATCAATCATCAGAAGTGTCTCGGAGGCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	NM_001077403
<b>Insert Size:</b>	2796 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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>	<a href="#">NM_001077403.1</a> , <a href="#">NP_001070871.1</a>
<b>RefSeq Size:</b>	6739 bp
<b>RefSeq ORF:</b>	2796 bp
<b>Locus ID:</b>	18187
<b>UniProt ID:</b>	<a href="#">O35375</a>
<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]