

## Product datasheet for **MG224748**

### **Nrp2 (NM\_001077404) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nrp2 (NM_001077404) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nrp2
Synonyms:	1110048P06Rik; Np-2; Np2; Npn-2; Npn2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MG224748 representing NM\_001077404  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATATGTTTCTCTTACCTGGGTTTTCTAGCTCTGTACTTTTCAGGACACGAAGTGAAGAAGCCAGC  
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GGACTATCCCTCCCACCAGAAGTGTGAGTGGATTGTCTACGCCCCGAACCAACCAAGAAGATTGTTCTC  
AACTTCAACCCTCACTTTGAAATCGAGAAAACGACTGCAAGTATGACTTCATTGAGATTCGGGATGGGG  
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CTCCTATTCGGGTCTGAGTTCGAGGAGCTGCACCACACTGGAGAACTACAACCTTTGAGCTCTACGATGGC  
CTCAAGCACAAGGTCAAGATCAATCATCAGAAGTGTCTCGGAGGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG224748 representing NM\_001077404  
 Red=Cloning site Green=Tags(s)

MDMFPLTWVFLALYFSGHEVRSQQDPPCGGRLNSKDAGYITSPGYPDYPSHQNCWEIVYAPEPNQKIVL  
 NFNPHFEIEKHDCKYDFIEIRDGSEADLLGKHCGNIAPPTIISSGSVLYIKFTSDYARQGAGFSRLRYE  
 IFKTGSEDCSKNFTSPNGTIESPGFPEKYPHNLDCTFTILAKPRMEIILQFLTFDLEHDPLQVGEQDCKY  
 DWLDIWDGIPHVGLIGKYCGTKTPSKLRSSTGILSLTFHTDMAVAKDGF SARYYLHQEPPENFQCNVP  
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 RRFDPVPAQYVRVYPERWSPAGIGMRLEVLGCDWTD SKPTVETLGP TVKSEETTPYPMDEATECGENC  
 SFEDDKDLQLPSGFNCNDFPEETCGWVYDHAKWLRSTWISSANPNDRTPDDKNFLKLQSDGRREGQYG  
 RLI SPPVHLPRSPVCMFQYQAMGGHVALQVVREASQESKLLWVIREQDQSEWKHGRIILPSYDMEYQI  
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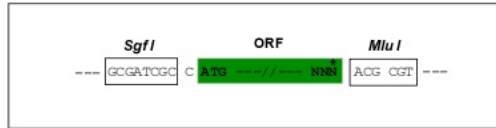
TRTRPLE - GFP Tag - V

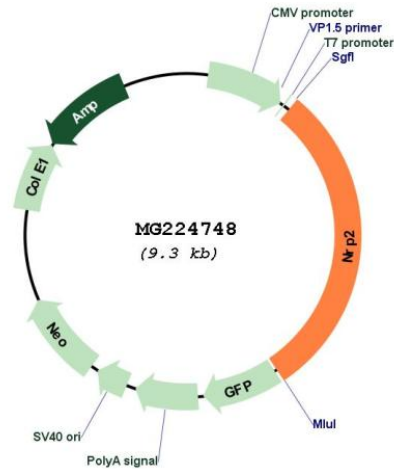
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**


**ACCN:** NM\_001077404

**ORF Size:** 2778 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

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\\_001077404.1](#), [NP\\_001070872.1](#)

**RefSeq Size:** 6724 bp

**RefSeq ORF:** 2781 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]