

Product datasheet for **MR224751**

Nrp2 (NM_001077406) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nrp2 (NM_001077406) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide
Sequence:

>MR224751 representing NM_001077406
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATATGTTTCTCTTACCTGGGTTTTCTAGCTCTGTACTTTTCAGGACACGAAGTGAAGCCAGC
AAGATCCACCCTGCGGAGGTCGGCTGAATTCAAAGATGCTGGCTACATCACTTCCCAGGCTACCCCA
GGACTATCCCTCCCACCAGAAGTGTGAGTGGATTGTCTACGCCCCGAACCAACCAAGAAGATTGTTCTC
AACTTCAACCCTCACTTTGAAATCGAGAAAACGACTGCAAGTATGACTTCATTGAGATTCGGGATGGG
ACAGTGAGTCAGCTGACCTCCTGGGCAAGCACTGTGGAAACATCGCCCCGCCACCATCATCTCCTCAGG
CTCCGTGTTATACATCAAGTTCACCTCAGACTACGCCCGCAGGGGGCAGGTTTTCTCTACGCTATGAG
ATCTTCAAACAGGCTCTGAAGATTGTTCCAAGAACTTTACAAGCCCAATGGGACCATTGAATCTCCAG
GGTTTCCAGAGAAGTATCCACACAATCTGGACTGTACCTTACCATCCTGGCCAAACCCAGGATGGAGAT
CATCCTACAGTTCCTGACCTTTGACCTGGAGCATGACCCTCTACAAGTGGGGGAAGGAGACTGTAATAT
GACTGGCTGGACATCTGGGATGGCATTCCACATGTTGGACCTCTGATTGGCAAGTACTGTGGGACGAAAA
CACCTCCAAACTCCGCTCGTCCACGGGGATCCTCTCCTTGACCTTTACACGGACATGGCAGTGGCCAA
GGATGGCTTCTCCGCACGTTACTATTTGATCCACCAGGAGCCACCTGAGAATTTTCAGTGAATGTCCCT
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GGACTCCTCAACAGAGCCGGCTCCATGGTGTGACAATGGCTGGACACCAATTTGGATTCCAACAAGGA
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GAAACCCAGAAAGGCTACTACGTCAAATCGTACAAGCTGGAAGTCAAGCACAATGGTGAAGATTGGATGG
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GCTCCACATGCCACTGCTGACTCGGTTTCATCAGGATCCGCCCGCAGACGTGGCATTGGGCATTGCCCTT
CGCTGGAGCTCTTTGGCTGCCGGTCCACAGATGCACCCTGCTCCAACATGCTGGGGATGCTCTCGGGCC
TCATTGCTGATACCCAGATCTCTGCCTCCTCCACCCGAGAGTACCTCTGGAGCCCCAGTGTGCCCGCT
GGTTAGTAGCCGCTCTGGCTGGTTTCTCGAACCCTCAAGCCAGCCAGGTGAAGAATGGCTTCAGGTA
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GGATGAGGCTGGAGGTGCTGGGCTGTGACTGGACAGACTCAAAGCCACAGTGGAGACGCTGGGACCCAC
CGTGAAGAGTGAAGAGACTACCACCCATATCCCATGGATGAGGATGCCACCGAGTGTGGGGAAAATGC
AGCTTTGAGGATGACAAAGATTTGCAACTTCCTTCAGGATTCAACTGCAACTTTGATTTTCCGGAAGAGA
CCTGTGGTTGGGTGTACGACCATGCCAAGTGGCTCCGGAGCACGTGGATCAGCAGCGTAACCCCAATGA
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TCCGCTATGCGGCCAAGAAGACCGATCACTCCATCACCTACAAAACCTCCCACTACACCAACGGGGCCCC
TCTGGCGTTCGAGCCACCCTAACCTAAGCTAGAGCAAGAGCGGGGCTCGCACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224751 representing NM_001077406
 Red=Cloning site Green=Tags(s)

MDMFPLTWVFLALYFSGHEVRSQQDPPCGGRLNSKDAGYITSPGYPDYPSHQNCEWIVYAPEPNQKIVL
 NFNPHFEIEKHDCYDFIEIRDGSEADLLGKHCGNIAPPTIISSGSVLYIKFTSDYARQGAGFSRLRYE
 IFKTGSEDCSKNFTSPNGTIESPGFPEKYPHNLDCTFTILAKPRMEIILQFLTFDLEHDPLQVGECDCKY
 DWLDIWDGIPHVGLIGKYCGTKTPSKLRSSTGILSLTFHTDMAVAKDGFSAARYLHQEPPENFQCNVP
 LGMESGRIANEQISASSTFSDGRWTPQQSRLHGDDNGWTPNLDNSKEYLQVDLRFMLTAIATQGAISR
 ETQKGYYVKSYLEVSTNGEDWMVYRHGKNHKIFQANNDATEVVLNKLHMPLLTRFIRIRPQTWHLGIAL
 RLELFGCRVTDAPCSNMLGMLSGLIADTQISASSTREYLWSPAARLVSSRSGWFRNPQAQPGEELQV
 DLGTPKTVKGVIIQGARGDSITAVEARAFVRKFKVSYSLNGKDWEYIQDPRTQQTKLFEGNMHYDTPDI
 RRFDPVPAQYVRVYPERWSPAGIGMRLEVLGCDWTDKPTVETLGPVKSEETTPYPMDEDATECGENC
 SFEDDKDLQLPSGFNCNDFPEETCGWVYDHAKWLRSTWISSANPNDRTPDDKNFLKLQSDGRREGQYG
 RLI SPPVHLPRSPVCMFQYQAMGGHVALQVVREASQESKLLWVIREQDQSEWKHGRIILPSYDMEYQI
 VFEVIGKGRSGEISIDDIRISTDVPLENCMEPISAFAGEDFKGGTLPPTGTEPTVDPVQPIPAYWYVY
 MAAGGAVLVLASVVLALVLHYHRFRYAAKKTDHSITYKTSHYTNGAPLAVEPTLTIKLEQERGSHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

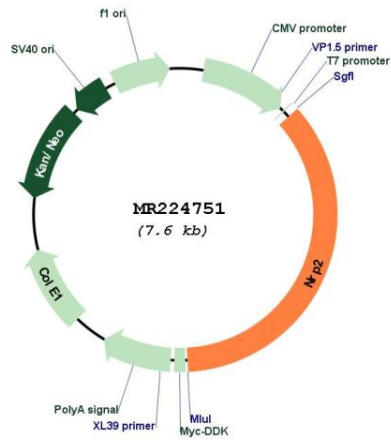
Cloning Scheme:



ACCN: NM_001077406

ORF Size:	2718 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:	<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_001077406.1 , NP_001070874.1
RefSeq Size:	4711 bp
RefSeq ORF:	2721 bp
Locus ID:	18187
Cytogenetics:	1 C2
MW:	102.4 kDa
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]

Product images:



Circular map for MR224751