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Product datasheet for MC224996

Nav1 (NM_173437) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nav1 (NM_173437) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nav1
Synonyms:	9530089B19; 9930003A20Rik; C230080M11Rik; mKIAA1151; Pomfil3; steerin-1; Unc53h1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC224996 representing NM_173437
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGGCAGCAGCGTCAAGAGCGTGCAGCCCGAGGTGGAGCTGAGCGGCGGCAGCGGCAGCGGCGGCG
ACGAGGGCGCGGACGAGTCTCGGGGAGCCAGCAGAAAGGCAGCCGCGGCGGACGGCAGAGGCATGCTGCC
CAAGCGCGCCAAGGCGGCAGGAGGCAGTGGCAGTATGGCCAAGGCCAGTGCAGCGGAGCTGAAGGTCTTC
AAGTCCGGCAGCGTGGACAGTCGTGTCCCCGGCGGGCTGCCTACCTCCAACCTGCGCAAACAGAAGTCGC
TCACCAACCTCTCGTTTCTCACGGACTCCGAGAAAAAGCTGCAGCTGTATGAGCCTGAGTGGAGTGATGA
TATGGCCAAAGCACCCAAGGGTTTGGGCAAACTGGGGCCCAAGGGCCGCGAGACTCCTCTGATGTCCAAG
ACGCTGTCCAAGTCTGAGCATTCGCTCTTCCAACCCAAAGGTGGCTCAACCGGCGGCGCCAAGACCCCAC
TGGCTCCGCTAGCGCCCAGCCTAGGCAAACCTAGCCGGATTCCTCGGGGACCCTATGCGGAGGTCAAGCC
TCTCAGCAAGGCGCCTGAGGCAGCGGTAAGCGATGATGGCAAATCGGATGACGAACTGCTTTCCAGCAAG
GCTAAAGCGCAAAAGGGCTCAGGGACTGTGCCCTCTGCCAAGGGCCAGGAGGAGCGGGCCTTCCTCAAGG
TGGACCCCGAGCTTGTGGTTACCGTGCTGGGCGACCTAGAACAGCTACTCTTCAGCCAGATGCTAGATCC
AGAGTCGCAGAGAAAGAGAACAGTACAGAACGTTCTGGATCTCCGACAGAACCTGGAAGAAACCATGTCC
AGCCTGCGAGGCTCCCAGGTGACTCACAGCTCCCTGGAGATGCCTTGTTACGACAGCGATGACGCCAACC
CCCGAAGCGTGTCCAGTCTCTCCAACCGCTCCTCTCCGCTCTCTTGGCGCTACGGCCAGTCTAGTCCCCG
GCTGCAGGCTGGCGACGCACCCTCTGTTGGGGGGAGCTGTCGTTCCGAGGGGCCACCGGCCTGGTACATG
CATGGCGAGCGGGCACACTACTCCCACACCATGCCGATGCGGAGCCCCAGCAAACTCAGCCACATCTCTC
GCCTGGAGTTGGTGGAGTCCCTGGACTCTGACGAGGTGGACCTCAAATCCGGCTACATGAGTGACAGTGA
CCTCATGGGCAAGACCATGACAGAAGACGATGACATCACAACGGGCTGGGATGAAAGCAGCTCCATTAGC
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CCTGGCGGAGAGTGGGCTCAACTGGTTCAGTGAGTCAGAGGAGAAGACCCCTAAAAAACTGGAGTACGAC
AGTGGTAGCCTGAAGATGGAACCTGGGACTTCAAAGTGGCGGAGAGAGAGACCAGAGAGCTGCGATGACG

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CATCCAAGGGCGGAGAACTGAAAAAGCCCATCAGCCTGGGACACCCAGGGTCCTTGAAAAAGGGCAAGAC
CCCTCCGGTGGCTGTCACCTCTCCCATCACTCACACCGCCCAGAGTGCCCTCAAAGTCGCAGGCAAACCT
GAAGGCAAAGCTACAGACAAGGGTAAACTCGCAGTGAAGAACACTGGGCTACAACGCTCCTCTTCTGATG
CTGGCCGGGACCGCCTGAGTGATGCTAAGAAGCCCCCCTCAGGCATTGCTCGGCCCTCTACTTCAGGATC
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CTCAGCAAGATCCAGAAGTCCTCAGGGATCCCTGTGAAGCCAGTAAACGGGCGCAAGACGAGTTTAGACG
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CAGGCCAGCCAAGTCCAGTTCTATGAGTGTGACTGGGCGTGGTGGACCTCGGCCTGTTAGCAGCAGCATT
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CCAGTGGTCGGAGCACTCCAGCCCCTGTCAATCAGACAGATCGGGAAAAGGAGAAGGCCAAAGCCAAGGC
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GTCCCTCCAGATGCCAATGAGCCTGCCCAGTGCCTTCCCCAGCAGCGCCCCCATCCCTACCCCACCTACT
GCCCCATCAGAGGAAGACACAGAAGAGCTGCCCTGGAGTGGAAGCCCCAGGGCTGGACAATTGGACAGCA
GTCAGCGAGATCGGAATACCCTCCCCAAGAAAGGGCTCAGGTACCAGCTTCAGTCCCAGGAGGAGACCAA
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CCTGCTCTCTCCATGTCCTTGAGTGCAAAGGGCCAGCTTACCAACATAGTGAGTCCCACTGCGGCCACCA
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AATGGGGAGCACCCTGTCCCTGGCCGAGAGACCCAAGGGAATGATTCGGTCAGGATCCTTCCGAGACCCC
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CCTGACATCTCAGCTGTCTGCCAACGCTAACCTAGTGGCCGCTTTCGAGCAGAGCCTGGTGAATATGACA
TCCCGCCTGCGACACCTGGCAGAGACGGCCGAGGAGAAGGACACCGAGCTGTTGGATTTGCGAGAAACTA
TAGACTTCCTGAAGAAAAAGAATTCCGAGGCCCAGGCAGTCATCCAGGGAGCGTTAAATGCCTCAGAAGC
CACGCCCAAAGAACTCCGGATCAAGAGGCAGAATTCCTCAGATAGCATCTCCAGCCTCAACAGCATCACC
AGCCATTCCAGCATCGGCAGCAGCAAAGATGCTGATGCCAAGAAGAAAAAGAAGAAGAGTTGGGTTTATG
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ATTCAGTCCCCCACACTAGACTGTTCCAAGCCAATGAAGAGGAGGAGCCAGAGAAGAAGGAGGTATCAGA
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CACCAGCTGGACCAGCTTCGGGAGACCATGCACAATATGCAGTTGGAGGTGGACCTGCTGAAAGCAGAGA
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TCTGTCGTCCCCTCGACGTTCCCTGGGCCTTGCACTCAGCCATCCTTTCAGTCCTAGTCTCACAGACACA
GACCTCTCACCCATGGATGGCATCAGCACCTGTGGTTCAAAGGAAGAGGTGACCCTGCGGGTGGTGGTCC
GGATGCCGCCCCAGCACATCATCAAAGGGGACTTAAAGCAGCAGGAGTTCTTCCTGGGTTGCAGCAAGGT
CAGTGGCAAAGTTGACTGGAAGATGCTGGATGAAGCCGTTTTCCAAGTGTTCAAGGACTACATTTCTAAA
ATGGACCCAGCCTCAACCCTGGGACTGAGCACTGAGTCCATACATGGCTATAGCCTCAGCCACGTGAAAC
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GACCGGGAAACAGGGATAGGGGATGTGCCCTTGGTGATCCTCCTGGATGATCTGAGTGAAGCAGGCTCCA
TCAGTGAGCTGGTCAATGGGGCCCTCACCTGCAAGTATCACAAATGTCCCTACATTATAGGTACCACCAA
TCAGCCTGTAAAAATGACACCCAACCATGGCTTGCACTTGAGCTTCAGGATGCTGACCTTCTCGAACAAT
GTGGAACCAGCCAATGGCTTTCTGGTCCGTTACCTGCGGAGGAAGTTGGTAGAGTCAGACAGTGACGTCA
ATGCTAACAAGGAAGAGCTGCTTCGGGTGCTGGACTGGGTGCCCAAGCTGTGGTATCACCTCCACACCTT

CCTGGAGAAGCACAGCACCTCGGACTTCCTCATTGGCCCTTGCTTCTTCCTGTCCTGTCCCATTGGCATC
GAGGACTTCCGGACCTGGTTCATTGACCTGTGGAACAATTCCATCATCCCCTATCTACAGGAAGGAGCCA
AGGATGGGATCAAGGTTCATGGACAGAAAGCTGCTTGGGAAGACCCGGTGGAATGGGTCCGAGACACTCT
TCCCTGGCCGTCGGCCCAACAAGACCAATCAAAGCTCTACCACCTGCCCCCGCCTTCTGTGGGCCCCCAC
AGCACTGCCTCACCCCCGGAGGACAGGACAGTCAAAGACAGCACTCCAAACTCCCTCGACTCAGATCCCC
TGATGGCCATGCTACTGAAACTCCAAGAAGCTGCCAACTACATTGAGTCACCAGATCGAGAGACTATCCT
GGACCCCAACCTCCAGGCGACACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_173437
Insert Size:	5628 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:	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_173437.2, NP_775613.2
RefSeq Size:	12767 bp
RefSeq ORF:	5628 bp
Locus ID:	215690
UniProt ID:	Q8CH77
Cytogenetics:	1 E4
Gene Summary:	May be involved in neuronal migration.[UniProtKB/Swiss-Prot Function]