

Product datasheet for **RN217770**

Nav2 (NM_138529) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nav2 (NM_138529) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nav2
Synonyms:	Rainb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217770 representing NM_138529 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCGGCCATCCTGGTAGCCTCCAAAATGAAATCGGGACTGCCAAACCGGTGCATAGCGCCGCGCCCA
TCCTGCACGTCCCCCGGCCCGGACTGGTCTCAACCCTGCTATCTTAAGTTGGGAAGCAAGGTAGAGGT
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AACAGCAGAGGGAGAAGGAGAAGGAGACTGGCAAGGACCTACCAAGAGAGTCTCTGTGACTGACAGGC
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 GGAGACCACTGATGAACATGTTGATGAGGTTACAGGAGGCGGCAACTACTCCAGCCCCAGAGTACG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_138529
Insert Size:	7278 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_138529.1](#), [NP_612538.1](#)

RefSeq Size: 10465 bp

RefSeq ORF: 7278 bp

Locus ID: 171563

Cytogenetics: 1q22

Gene Summary: protein involved in neurogenesis; putative ortholog of C. elegans unc-53 which functions in axon elongation in mechanosensory neurons [RGD, Apr 2006]