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Product datasheet for SC338141

NAV3 (NM_001024383) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAV3 (NM_001024383) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAV3
Synonyms:	POMFIL1; STEERIN3; unc53H3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001024383, the custom clone sequence may differ by one or more nucleotides

ATGCCTGTTCTTGGGGTTGCCTCAAAACTGAGGCAGCCAGCTGTTGGGTCAAAGCCTGTGCATACTGCTC
TTCCGATACCAAATCTTGGCACTACTGGGTCACAGCACTGTTCTTCAAGACCTTTGGAACTTACTGAAAC
AGAGAGCTCCATGCTTTCTTGTCAGCTTGCGTTAAAATCAACCTGTGAATTTGGAGAGAAGAAACCCCTC
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CAGGCCACAAGCGGCTGATCAAGGACTTGCAACAAGACATTGCAGATGGAGTACTCCTAGCAGAAATCAT
CCAGATTATTGCAAATGAAAAAGTTGAAGATATCAATGGATGTCCTAGAAGTCAGTCTCAGATGATTGAA
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AAAGCAAACCATTTCACCTGGCAGCACAGCAAGCAAAGAGTCTGAGAAATTCAGGACTACCAAGGGGAGC
CCTTCCCAGTCCTTATCTAAGCCTATAACCATGGAGAAAGCAAGTGCTTCTAGTTGTCCTGCCCCTTTGG
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CAATTACTCGAGCACACAAAGCTGCGACAGCGAAAGCACCAGCCACCATGAAGACATTTTGGATTCATCT
CTTGAATCTACCCTCTAG

Restriction Sites:	SgfI-MluI
ACCN:	NM_001024383
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_001024383.1, NP_001019554.1
RefSeq Size:	9840 bp

RefSeq ORF:	7158 bp
Locus ID:	89795
UniProt ID:	Q8IVL0
Cytogenetics:	12q21.2
Gene Summary:	This gene belongs to the neuron navigator family and is expressed predominantly in the nervous system. The encoded protein contains coiled-coil domains and a conserved AAA domain characteristic for ATPases associated with a variety of cellular activities. This gene is similar to unc-53, a Caenorhabditis elegans gene involved in axon guidance. Multiple alternatively spliced transcript variants for this gene have been described but only one has had its full-length nature determined. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.