

Product datasheet for RC240247

NAV3 (NM_001024383) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NAV3 (NM_001024383) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NAV3
Synonyms: POMFIL1; STEERIN3; unc53H3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC240247 representing NM_001024383
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

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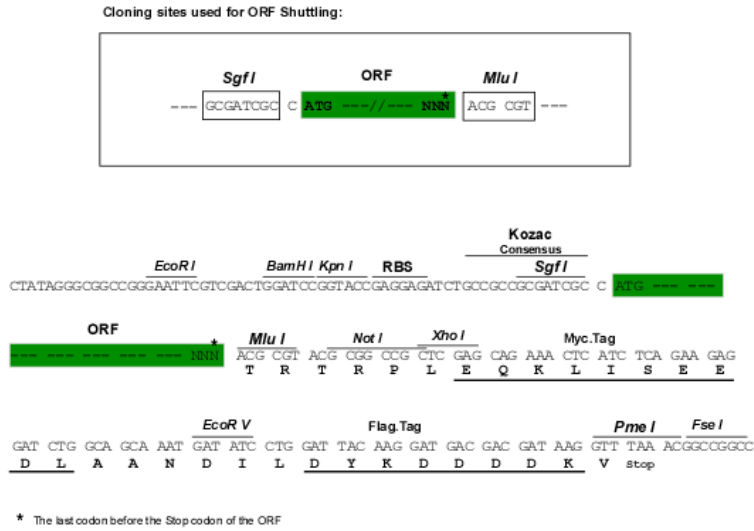
Protein Sequence: >RC240247 representing NM_001024383
 Red=Cloning site Green=Tags(s)

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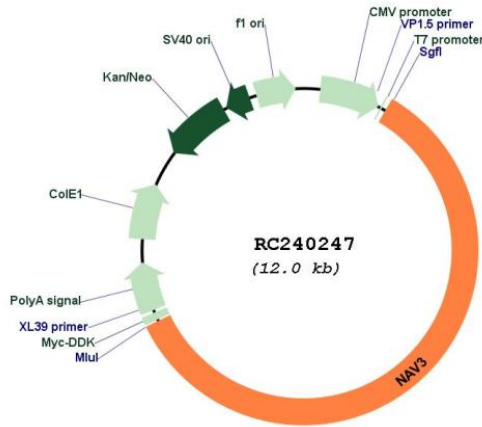
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001024383

ORF Size:	7155 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_001024383.2
RefSeq Size:	9840 bp
RefSeq ORF:	7158 bp
Locus ID:	89795
UniProt ID:	Q8IVL0
Cytogenetics:	12q21.2
MW:	256.1 kDa
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]