

## Product datasheet for **RG240247**

### NAV3 (NM\_001024383) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NAV3 (NM_001024383) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAV3
Synonyms:	POMFIL1; STEERIN3; unc53H3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240247 representing NM_001024383. Blue=ORF Red=Cloning site Green=Tag(s)

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**Protein Sequence:**

>Peptide sequence encoded by RG240247  
 Blue=ORF Red=Cloning site Green=Tag(s)

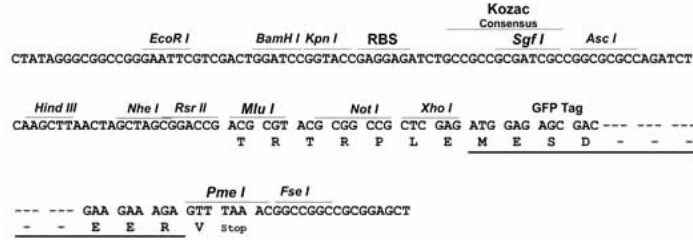
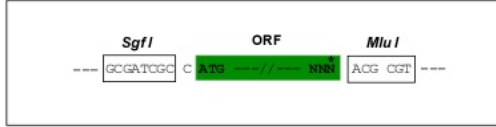
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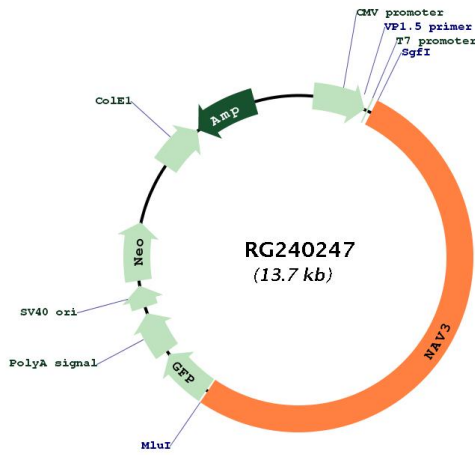
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:

NM\_001024383

<b>ORF Size:</b>	7155 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001024383.2</a>
<b>RefSeq Size:</b>	9840 bp
<b>RefSeq ORF:</b>	7158 bp
<b>Locus ID:</b>	89795
<b>UniProt ID:</b>	<a href="#">Q8IVL0</a>
<b>Cytogenetics:</b>	12q21.2
<b>MW:</b>	256.1 kDa
<b>Gene Summary:</b>	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]