

## Product datasheet for **MG215735**

### Nav1 (NM\_173437) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nav1 (NM_173437) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nav1
Synonyms:	9530089B19; 9930003A20Rik; C230080M11Rik; mKIAA1151; Pomfil3; steerin-1; Unc53h1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215735 representing NM_173437 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGGCAGCAGCGTCAAGAGCGTGCAGCCGAGGTGGAGCTGAGCGGCGGCAGCGGCAGCGGGCG  
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CCTGGCGAGAGTGGCTCAACTGGTTCAGTGAGTCAGAGGAGAAGACCCTAAAAAAGTGGAGTACGAC



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AGTGGTAGCCTGAAGATGGAACCTGGGACTTCAAAGTGGCGGAGAGAGACCAGAGAGCTGCGATGACG  
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 GGACCCCAACCTCCAGGCGACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG215735 representing NM\_173437  
 Red=Cloning site Green=Tags(s)

MLGSSVKSQPEVELSGSGSGGDEGADESARGASRKAADGRGMLPKRAKAAGGSGSMAKASAAELKVF  
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 AKAQKSGSTVPSAKQEEERAFKVDPELVVTVLGDLEQLLFSQMLDPESQRKRTVQNVLDLRQNLEETMS  
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 HGERAHYSHTMPMRSPSKLSHISRLLEVESLDSDEVLDKSGYMSDSLMDGKMTMEDDDITGWDESSSIS  
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 ASHPATKLAELPPTPLRATAKSFVKPPSLANLDKVNNSLDLPSSSDTHASKVPDLHAPSSSTGGPLPS  
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 HYISLLLKHRRLLVSGSGTGKTYL TNRLAEYLVERSGREVTDGIVSTFNMHQQSCKDLQLYLSNLANQI  
 DRETGIGDVPLVILLDDLSEAGSISELVNGALTCKYHKCPYIIGTTNQPVKMTPNHGLHLSFRMLTF SNN  
 VEPANGFLVRYLRRKLVESDSDVNANKEELLRVLDWVPKLWYHLHTFLEKHSTSDFLIGPCFFLSCP IGI  
 EDFRTWFIDLWNSIIPYLQEGAKDGIKVHGQKAAWEDPVEWVRDTLPWPSAQDQSKLYHLPSPVSGPH  
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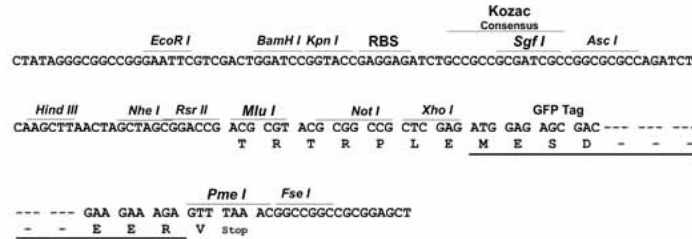
TRTRPLE – GFP Tag – V

**Restriction Sites:**

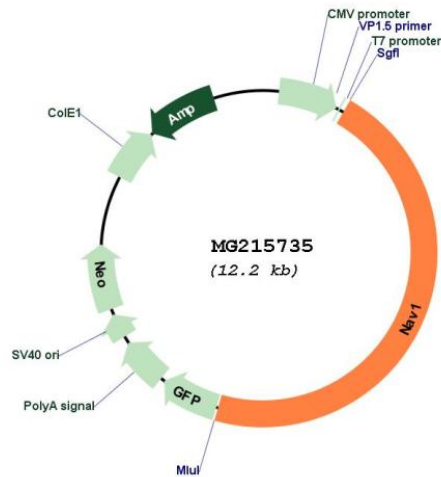
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_173437  
 ORF Size: 5625 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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173437.2</a> , <a href="#">NP_775613.2</a>
<b>RefSeq Size:</b>	12767 bp
<b>RefSeq ORF:</b>	5628 bp
<b>Locus ID:</b>	215690
<b>UniProt ID:</b>	<a href="#">Q8CH77</a>
<b>Cytogenetics:</b>	1 E4
<b>Gene Summary:</b>	May be involved in neuronal migration.[UniProtKB/Swiss-Prot Function]