

Product datasheet for **SC307544**

NAV2 (NM_182964) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAV2 (NM_182964) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAV2
Synonyms:	HELAD1; POMFIL2; RAINB1; STEERIN2; UNC53H2
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182964, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGCCATCCTGGTCGCCTCCAAAATGAAGTCGGGACTGCCCAAACCCGTGCACAGC
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GATGACATCTTGACTCCTCTTTGGAGTCCACTCTGTGA

Restriction Sites:

Please inquire

ACCN:

NM_182964

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_182964.4</u> , <u>NP_892009.2</u>
RefSeq Size:	11144 bp
RefSeq ORF:	7467 bp
Locus ID:	89797
UniProt ID:	<u>Q8IVL1</u>
Cytogenetics:	11p15.1
Gene Summary:	This gene encodes a member of the neuron navigator gene family, which may play a role in cellular growth and migration. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011] Transcript Variant: This variant (1) lacks several alternate exons in the coding region, compared to variant 5. This results in a shorter protein (isoform 1), which maintains the reading frame and contains the same N- and C-termimi, compared to isoform 5. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.