

Product datasheet for **RG208680**

NICN1 (NM_032316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NICN1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG208680 representing NM_032316
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGTCCCGCGTTTTGGTGCCTTGCCATGTGAAAGGCTCCGTAGCCCTCCAGGTGGGCGACGTGCGGACCT
CCCAAGCGCGGCTGGCGTGTGGTCATCGATGTCACCTTCCCAGCGTCGCTCCCTTCGAGTTGCAGGA
AATCAGCTTTAAGAATTACTACACAGCTTTTTTGGCATCCGTGTCCGTGAGTACACCTCAGCACACACA
CCTGCCAAGTGGGTGACCTGCCTGCGGGACTACTGCCTAATGCCTGACCCACACAGTGAGGAGGGAGCCC
AGGAGTATGTATCGCTGTTCAAGCATCAGATGCTGTGTGACATGGCTAGAAATATCGGAGCTACGCCTGAT
TCTGCGGCAGCCATCACCAGTGTGGCTGTCTTTCAGTGGAGGAGCTGCAGATCTATCAGCAGGGACCA
AAGAGCCCCTCCGTGACCTTTCCCAAGTGGCTCTCCACCCAGTGCCTGTGAGCAACCTGCACTCCTCC
GTGAGGGTCTCCAGACCCAGCAGGGTATCCTCCGAGGTGCAGCAGATGTGGCACTGACAGAGATGAT
CCGGGCCAGTCACACCTCCGCAAGGATCGGCCGCTTTGATGTGGATGGCTGTTATGACCTGAACTTGCTC
TCCTACACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208680 representing NM_032316
Red=Cloning site Green=Tags(s)

MSRVLVPCNVKGSVALQVGDVRTSQGRPGVLVIDVTFPSVAPFELQEITFKNYYTAFLSIRVRQYTSHT
PAKWVTCRLDYCLMPDPHSEEGAQEVVSLFKHQLCDMARISELRILRQPSPLWLSFTVEELQIYQQGP
KSPSVTFPKWLSHPVPCQEPALLREGLPDPSRVSSVQMMWALTEMIRASHTSARIGRFDVDGCDLNL
SYT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_032316

ORF Size: 639 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032316.3](#), [NP_115692.1](#)

RefSeq Size: 3227 bp

RefSeq ORF: 642 bp

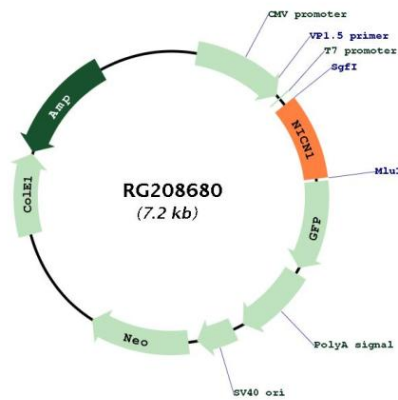
Locus ID: 84276

UniProt ID: [Q9BSH3](#)

Cytogenetics: 3p21.31

Gene Summary: This protein encoded by this gene localizes to the nucleus and is expressed in numerous tissues including brain, testis, liver, and kidney. This refseq contains genomic sequence in its 3' UTR which is not supported by experimental evidence. Computer predictions indicate that this region of the 3' UTR contains hairpin-forming self-complementary sequence which is possibly excised after transcription. This gene has a pseudogene on chromosome X. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208680