

Product datasheet for **RG220901**

NIBAN2 (NM_022833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIBAN2 (NM_022833) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NIBAN2
Synonyms:	bA356B19.6; C9orf88; FAM129B; MEG-3; MINERVA; OC58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG220901 representing NM_022833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGGGACGTGCTGTCCACGCACCTGGACGACGCCCGGCCAGCACATCGCAGAAAAACCGGAAGA
 TCCTGACGGAGTTCCTCCAGTTCATGAAGACCAGTATGGCGTGGCTCTCTTCAACAGCATGCGCCATGA
 GATTGAGGGCACGGGGCTGCCGACAGGCCAGCTGCTCTGGCGCAAGGTGCCACTGGACGAGCGCATCGTC
 TTCTCGGGGAACCTCTTCCAGCACCAGGAGGACAGCAAGAAGTGAGAAAACCGCTTCAGCCTCGTCCCC
 ACAACTACGGGCTGGTGTCTACGAAAAAAAGCGGCCTATGAGCGGCAGGTCCACCACGAGCGTCAT
 CAACAGTGCAGGTACAAAATCCTCAGTCCGTGGACCAATACCTGGAGCTCATTGGCAACTCCTACCA
 GGGACCACGGCAAAGTCGGGCAGTGCCCCATCCTCAAGTGCCCCACACAGTTCGCTCATCCTCTGGC
 ATCCTTATGCGCGTCACTACTTCTGCATGATGACAGAAGCCGAGCAGGACAAGTGGCAGGCTGTGCT
 GCAGGACTGCATCCGGCACTGCAACAATGGAATCCCTGAGGACTCCAAGTAGAGGGCCCTGCGTTACA
 GATGCCATCCGCATGTACCGACAGTCCAAGGAGCTGTACGGCACCTGGGAGATGCTGTGTGGGAACGAGG
 TGCAGATCCTGAGCAACCTGGTGTGGAGGAGCTGGGCCCTGAGCTGAAGGCAGAGCTCGGCCCGCGGT
 GAAGGGGAAACCGCAGGAGCGGCAGCGCAGTGGATCCAGATCTCGGACGCCGTGTACCACATGGTGTAC
 GAGCAGGCCAAGGCGCGCTTCGAGGAGGTGCTGTCCAAGGTGCAGCAGGTGCAGCCGGCCATGCAGGCCG
 TCATCCGAAGTACATGGACCAATTATCACCTCCAAGGAGCACCTTGCCAGCAAGATCCGAGCCTTCAT
 CCTCCCCAAGGCAGAGGTGTGCGTGGGAACCATGTCCAGCCCTACATCCCATCCATCCTGGAGGCCCTG
 ATGGTCCCCACCAGCCAGGGCTTCACTGAGGTGCGAGATGTCTTCTTCAAGGAGGTACGGACATGAACC
 TGAAGTCATCAACGAGGGCGGCATTGACAAGCTGGGCGAGTACATGGAGAAGCTGTCCCGCTGGCGTA
 CCACCCCTGAAGATGCAGAGCTGCTATGAGAAGATGGAGTCGCTGCGACTGGACGGGTGCAGCAGCGA
 TTTGATGTGTCCAGCACGTCCGTGTTCAAGCAGCAGGCCAGATCCACATGCGGGAGCAAATGGACAATG
 CCGTGTATACGTTTCGAGACCTCCTGCACCAGGAGCTGGGAAGGGGCCACCAAGGAGGAGCTGTGCAA
 GTCCATCCAGCGGGTCTGGAGCGGGTGTGAAGAAATACGACTACGACAGCAGCTCTGTGCGGAAGAGG
 TTCTTCCGGGAGGCGCTGCTGCAGATCAGCATCCCGTTCTGCTCAAGAAGCTGGCCCTACCTGCAAGT
 CGGAGCTGCCCCGTTCCAGGAGCTGATCTTCGAGGACTTGCCAGGTTTCATCCTGGTGGAAAACACGTA
 CGAGGAGGTGGTGTGCAGACCGTCATGAAGGACATCCTGCAGGCTGTGAAGGAGGCCGCGGTGCAGAGG
 AAGCACAACCTCTACCGGACAGCATGGTCATGCACAACAGCGACCCCAACCTGCACCTGCTGGCCGAGG
 GCGCCCCATCGACTGGGGCAGGAGTACAGCAACAGCGCGGGGGCGGAGCCCCAGCCCCAGCACCCC
 GGAGTCAGCCACCTCTCGGAAAAGCGACGGCGGCCAAGCAGGTGGTCTCTGTGGTCCAGGATGAGGAG
 GTGGGGTGTGCCCTTTGAGGCTAGCCCTGAGTCAACACACCTGCGTCCCCGGACGGTGTCACTGAGATCC
 GAGGCTGCTGGCCCAAGGTCTGCGGCTGAGAGCCCCCACCAGCCGGCCCCCTGCTCAACGGGGCCCC
 CGCTGGGAGAGTCCCCAGCCTAAGGCCGCCCGAGGCCTCCTCGCCGCTGCTCACCCCTCCAGCAT
 CTCCTGCCTGGAAGGCTGTGGACCTTGGGCCCCCAAGCCAGCGACGAGGAGACTGGAGAGCAGGTGT
 CCAGCCCCAGCAGCCACCCCGCCTCCACACCACACCGAGGACAGTGCAGGGGTGCAGACTGAGTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

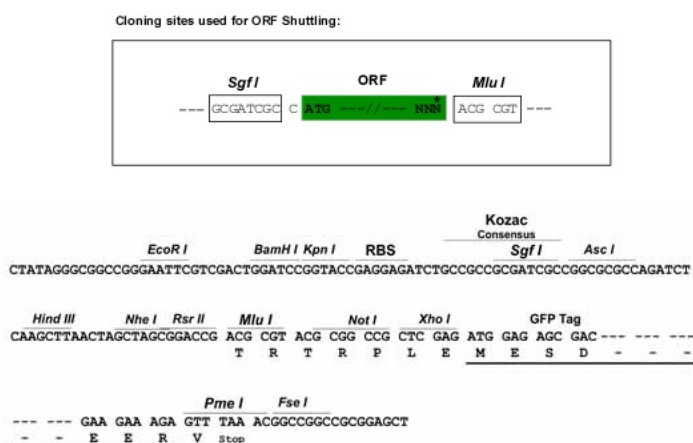
Protein Sequence: >RG220901 representing NM_022833
Red=Cloning site Green=Tags(s)

MGDVLS THLDDARRQHIAEKTGKILTEFLQFYEDQYGVALFNSMRHEIEGTGLPQAQLLRKVP LDERIV
FSGNLFQH QEDSKKWRNRFSLVPHNYGLVL YENKAA YERQVPPRAVINSAGYKILTSVDQYLEIGNSLP
GTTAKSGSAPILKCPTQFPLILWHPPYARHYFFCMMTAEQDKWQAVLQDCIRHCNNGIPEDSKVEGPAFT
DAIRMYRQSKELYGTWEMLCGNEVQILSNL VMEELGP ELKAELGPRLKGKQPQERQRQWIIQISDAVYHVMVY
EQAKARFEEVL SKVQQVQ PAMQAVIRTMDQIIITSKEHLASKIRAFILPKAEVCVRNHVQPYIPSI LEAL
MVPTSQGFTEVRDVFKEVTDMLNLVINEGGIDKLGEYMEKLSRLAYHPLKMQSCY EKMESRLDLGLQQR
FDVSSTS VFKQRAQIHMREQMDNAVYTFETLLHQELGKGPTKEELCKSIQRVLERVLKKYDYDSSSVRKR
FFREALLQISIPFLKKLAPTCKSELPRFQELIFEDFARFILVENTYEEVVLQTVMKDILQAVKEAAVQR
KHNL LDRDSMVMHNSDPNLHLAEGAPIDWGEEYSNSGGGSPSPSTPESATLSEKRRRAKQVVS VVQDEE
VGLPFEASPPSPASPDPGVTEIRGLLAQGLRPESPAGPLNLGAPAGESPQPKAAPEASSPPASPLQH
LIPGKAVDLGPPKPSDOETGEQVSSPSHPALHTTTEDSAGVTEF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM 022833

ORF Size: 2238 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.

RefSeq: [NM_022833.4](#)

RefSeq Size: 4007 bp

RefSeq ORF: 2241 bp

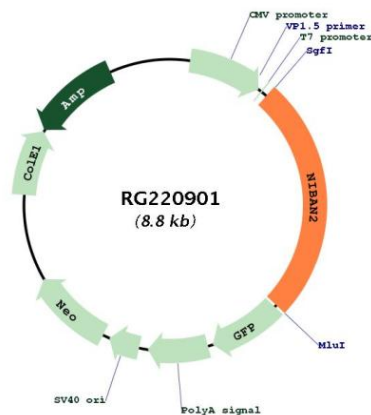
Locus ID: 64855

UniProt ID: [Q96TA1](#)

Cytogenetics: 9q34.11

Gene Summary: May play a role in apoptosis suppression. May promote melanoma cell invasion in vitro. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG220901