

Product datasheet for RC219843

NRSN2 (NM_024958) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NRSN2 (NM_024958) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NRSN2
Synonyms: C20orf98; dj1103G7.6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC219843 representing NM_024958
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATGCCGAGCTGCAATCGTTCCTGCAGCTGCAGCCGCGGCCAGCGTGGAGGATGGCAAGTGGTATG
 GGGTCCGCTCTACCTGCACCTCTTCTATGAGGACTGTGCAGGCACTGCTCTCAGCGACGACCCTGAGGG
 ACCTCCGGTCTGTGCCCCGCGGCCCTGGCCCTCACTGTGTTGGAAGATCAGCCTGCTCTCGGGGACC
 CTGCTTCTGCTGCTGGGTGTGGCGGCTCTGACCACTGGCTATGCAGTCCCCCAAGCTGGAGGGCATCG
 GTGAGGGTGAGTTCCTGGTGTGGATCAGCGGGCAGCCGACTACAACCAGGCCCTGGGCACCTGTGCCT
 GGCAGGCACAGCGCTCTGTGTGGCAGCTGGAGTTCTGCTCGCCATCTGCCTCTTCTGGGCCATGATAGGC
 TGGCTGAGCCAGGACACCAAGGCAGAGCCCTTGACCCCGAAGCCGACAGCCACGTGGAGGTCTTCGGGG
 ATGAGCCAGAGCAGCAGTTGTACCCATTTCCGCAATGCCAGTGGCCAGTCATGGTTCTCGCCACCCCG
 CAGCCCCTTTGGCAATCTTCTGTGCAGACTATCCAGCCCAAGAGGGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219843 representing NM_024958
 Red=Cloning site Green=Tags(s)

MMPSCNRSCSRGPSVEDGKYGVRSYLHLFYEDCAGTALSDDPEGPPVLCPRRPWPSLCWKISLSSGT
 LLLLLGVAALTTGYAVPPKLEGIGEGEFLVLDQRAADYNQALGTCRLAGTALCVAAGVLLAICLFWAMIG
 WLSQDTKAEPDPEADSHVEVFGDEPEQQLSPIFRNASGQSWFSPASPFGQSSVQTIQPKRDS

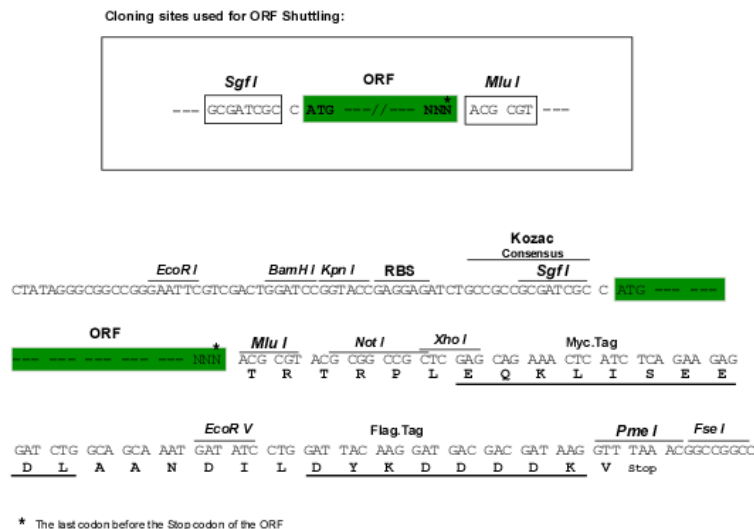
TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Chromatograms: https://cdn.origene.com/chromatograms/mk6491_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024958

ORF Size: 612 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.

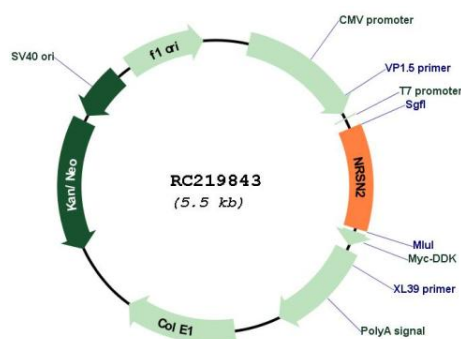
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024958.3](#)

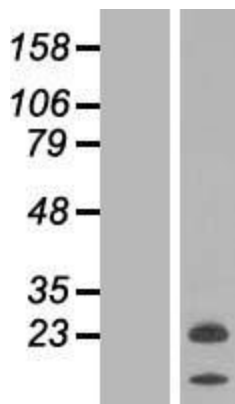
RefSeq Size: 2042 bp

RefSeq ORF:	615 bp
Locus ID:	80023
UniProt ID:	Q9GZP1
Cytogenetics:	20p13
Protein Families:	Transmembrane
MW:	21.8 kDa
Gene Summary:	May play a role in maintenance and/or transport of vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC219843



Western blot validation of overexpression lysate (Cat# [LY410956]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219843 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).