

Product datasheet for **RR200995**

Nsfl1c (NM_031981) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nsfl1c (NM_031981) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nsfl1c
Synonyms: p47; XY40
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200995 representing NM_031981
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCGGAGGAGCGGCAGGACGCGTTGAGGGAGTTCGTGGCGGTGACGGGCGCTGAGGAGGACCGGGCCC
GTTTCTTCTGGAGTCAGCTGGCTGGGACCTGCAGATTGCACTTGCAAGCTTTATGAGGATGGAGGGGA
TGAAGACATTGTGACATTTACAGGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCTCCTAGTGATAAT
AGAGTAACATCCTTCAGAGACCTCATTGATGACCAAGATGAAGAGGAAGAGGAAGAAGAGGGACAGAGGT
TTTATGCTGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGTCTCCCGGAAGAAAAGTCCCAACGA
GCTGGTGGATGATCTGTTAAGGGTGCCAAAGAGCATGGGGCTGTAGCTGTGGAACGAGTGACCAAGAGC
CCTGGAGAGACCAGTAAACCGAGACATTTGCAGGAGGGGGCTACCGCTTGGAGCAGCACCAGAAGAGG
AGTCTGCCTATGTGGCAGGAGAAAGGAGGCGGCATTGAGGCCAGGATGTTGATGTAGTGTAAAGCTCTG
GAAAAGTGGATTGAGCTAGACAATGGTACCTTAGAAGCTACCAAGACCCATCCAATGCCAGTTTCTG
GAGTCTATCCGTAGAGGGGAGGTTCTGCAGAGCTTCGGAGGTTAGCTCAGGTGGCAGGTGAAGTGG
ATATGGAGGATCATCGGGACGAGGACTTCGTGAAGCCCAAGGGAGCTTTCAAAGCCTTCTACTGGCGAGGG
CCAGAAACTAGGCAGCAGGCCCGCAGGTTTTAAACACAGCTCTCCAGCCAGCAAGCAGAAAATGAA
GCCAAAGCTAGCTCGTCCATCTTAATCAATGAGGCAGAACCTACCACGAACATCCAATCCGACTGGCAG
ATGGCGGGAGACTGGTGCAAAAATCAACCACAGCCACAGGATCAGCGACATCCGGCTCTTCATCGTGG
TGCAGGCCGGCTATGGCTGCCACAGTTTTGTCCTTATGACTACCTTCCTAACAAAGAGCTGGCTGAT
GAGAACCAACCTGAAGGAAGCAATCTTCTCAACGCTGTCATCGTGCAGCGGTTAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

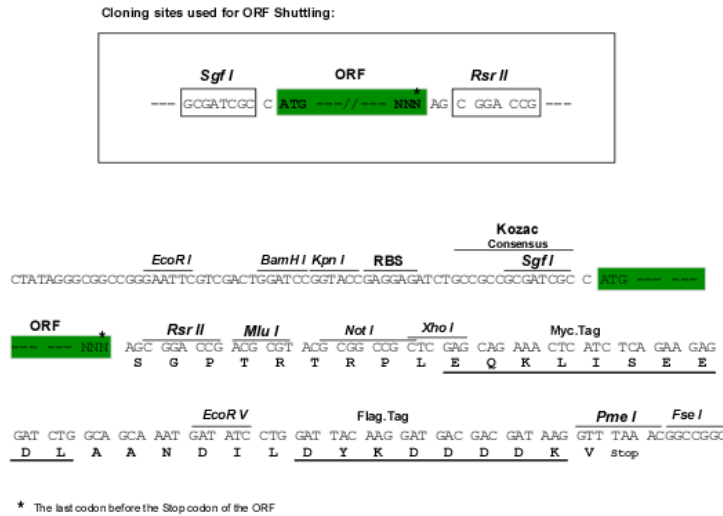
Protein Sequence: >RR200995 representing NM_031981
 Red=Cloning site Green=Tags(s)

MAEERQDALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGDEDIVTISQATPSSVSRGTAPSDN
 RVTFSRDLIHDQDEEEEEEGQRFYAGGSERSGQIVGPPRKKSPNELVDDLKFGAKEHGAVAVERTKS
 PGETSKPRPFAGGGYRLGAAPEEESAYVAGERRRHSGQDVHVVLKWKTFSLDNGDLRSYQDPSNAQFL
 ESIRRGEVPAELRRLAHGGQVNLDMEDHRDEDFVKPKGAFKFTGEGQKLGSTAPQVLNTSSPAQQAENE
 AKASSILINEAEPPTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDARPAMAATSFVLMTTFFPNKELAD
 ENQTLKEANLLNAVIVQRLT

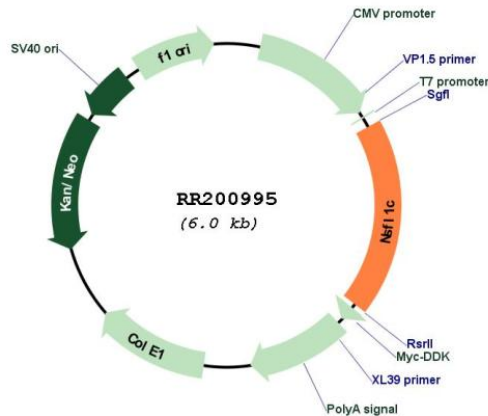
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_031981

ORF Size:	1110 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:	<ol style="list-style-type: none">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_031981.2 , NP_114187.1
RefSeq Size:	1450 bp
RefSeq ORF:	1113 bp
Locus ID:	83809
UniProt ID:	O35987
Cytogenetics:	3q41
MW:	40.7 kDa
Gene Summary:	forms a complex with p97 that facilitates phosphatidylethanolamine-mediated membrane fusion; involved in reorganization of Golgi cisternae after mitosis [RGD, Feb 2006]