

Product datasheet for **MR229535**

Nsfl1c (NM_001291074) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nsfl1c (NM_001291074) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nsfl1c
Synonyms: Munc-18c; p47; Stxbp3a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229535 representing NM_001291074
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCGGAGGAGCGGCAGGACGCGTTGAGGGAGTTCGTGGCGGTGACTGGCACTGAGGAGGACAGGGCCC
GTTTCTCCTGGAGTCGGCTGGCTGGGACCTGCAGATTGCACTTGCAAGCTTTATGAGGATGGAGGGGA
TGAAGACATTGTGACATTTACAAGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCTCCTAGTGATAAT
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GCTGGTGGATGATCTGTTAAGGGTGCCAAAGAGCATGGGGCTGTAGCTGTGGAACGAGTGACCAAGAGC
CCTGGAGAGACCAGTAAACCGAGACATTTGCAGGAGGGGGCTACCGCCTGGAGCAGCACCAGAGGAAG
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TGCCCGGCCAGCTATGGCTGCCACAGTTTTGTCCTTATGACTACCTTCCTAACAAAGAGCTGGCTGAT
GAGAACCAAAACCTGAAGGAAGCAACCTTCTCAACGCTGTCATCGTGCAGCGGTTAA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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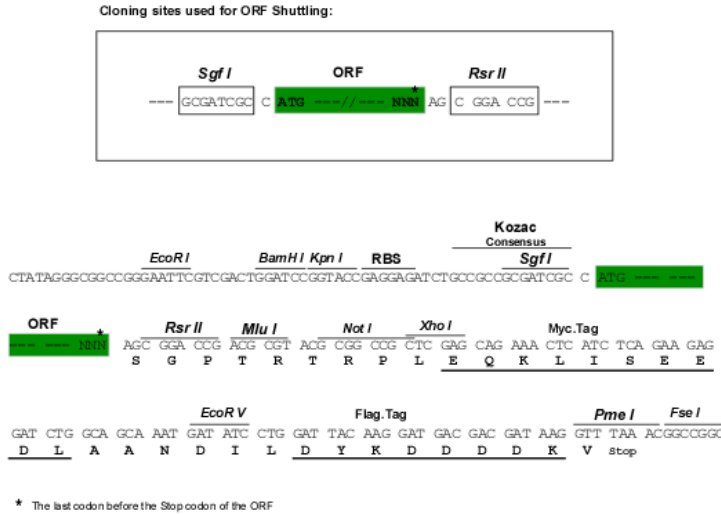
Protein Sequence: >MR229535 representing NM_001291074
Red=Cloning site Green=Tags(s)

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 RVTFSRDLIHDQDEEEEEEGQRFYAGGSERSGQQIVGPPRKKSPNELVDDLFGAKEHGAVAVERTKS
 PGETSKPRPFAGGGYRLGAAPEEESAYVAGERRRHSGQDVHVVLKWKTFSLDNGDLRSYQDPSNAQFL
 ESIRRGEVPAELRRLAHGGQVNLDMEDHRDEDFVKPKGAFKFTGEGQKLGSTAPQVLTSSPAQQAENE
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 ENQTLKEANLLNAVIVQRLT

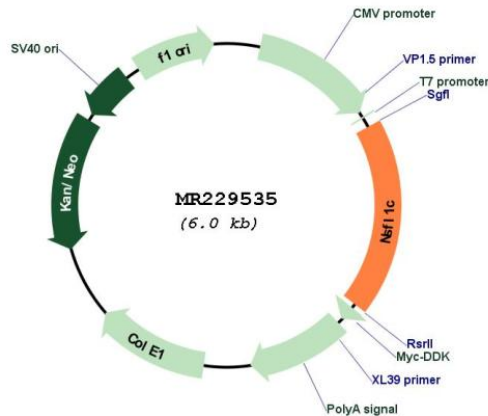
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291074

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_001291074.1 , NP_001278003.1
RefSeq Size:	1480 bp
RefSeq ORF:	1113 bp
Locus ID:	386649
UniProt ID:	Q9CZ44
Cytogenetics:	2 G3
MW:	41.2 kDa
Gene Summary:	Reduces the ATPase activity of VCP. Necessary for the fragmentation of Golgi stacks during mitosis and for VCP-mediated reassembly of Golgi stacks after mitosis. May play a role in VCP-mediated formation of transitional endoplasmic reticulum (tER). Inhibits the activity of CTSL (in vitro). Together with UBXN2B/p37, regulates the centrosomal levels of kinase AURKA/Aurora A during mitotic progression by promoting AURKA removal from centrosomes in prophase. Also, regulates spindle orientation during mitosis.[UniProtKB/Swiss-Prot Function]