

Product datasheet for **MG205743**

Nsfl1c (NM_198326) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nsfl1c (NM_198326) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Nsfl1c
Synonyms: Munc-18c; p47; Stxbp3a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205743 representing NM_198326
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGAGCGGCAGGACGCGTTGAGGGAGTTCGTGGCGGTGACTGGCACTGAGGAGGACAGGGCCC
GTTTCTTCTGGAGTCGGCTGGCTGGGACTGCAGATTGCACTTGAAGCTTTTATGAGGATGGAGGGGA
TGAAGACATTGTGACATTTACAAGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCTCCTAGTGATAAT
AGAGTGACATCCTTCAGAGACCTCATTGATGACCAAGATGAAGAGGAGGAGGAAGAGGAGGGACAGAGGA
GCAGGTTTTATGCTGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGTCTCCCGGAAGAAAAGTCC
CAACGAGCTGGTGGATGATCTGTTAAAGGTGCCAAAGAGCATGGGGCTGTAGCTGTGGAACGAGTGACC
AAGAGCCCTGGAGAGACCAGTAAACCGAGACATTTGCAGGAGGGGGCTACCGCCTTGAGCAGCACCAG
AGGAAGAGTCTGCCTATGTGGCAGGAGAAAGGAGGCGGCATTCAGGCCAGGATGTTGATGTAGTGCTAAA
GCTCTGGAAAAGTGGATTGAGCCTAGACAATGGTGACCTTAGAAGCTACCAAGACCCATCCAATGCCAG
TTTCTGGAGTCTATCCGTAGAGGGGAGGTTCTGCAGAGCTTCGGAGGTTAGCGCATGGTGGCAGGTGA
ACCTGGATATGGAGGATCATCGGGATGAGGACTTCGTGAAGCCCAAGGGAGCTTTCAAAGCCTTCACTGG
CGAGGGCCAGAACTGGGCAGCACGCCCCCAGGTATTAACACCAGCTCTCCAGCCCAACAAGCAGAA
AATGAAGCCAAAGCTAGCTCGTCCATCTTAATCAATGAAGCAGAACCTACCACGAACATCCAATCCGGC
TTGCAGATGGCGGGAGGCTGGTGCAGAAATTAACACACAGCCACAGGATCAGCGACATCCGGCTCTTCAT
CGTGGATGCCCGCCAGCTATGGCTGCCACCAGTTTTGTCTTATGACTACCTTCCCTAACAAAGAGCTG
GCTGATGAGAACCAACCCTGAAGGAAGCCAACCTTCTCAACGCTGTCATCGTGCAGCGTTAACA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

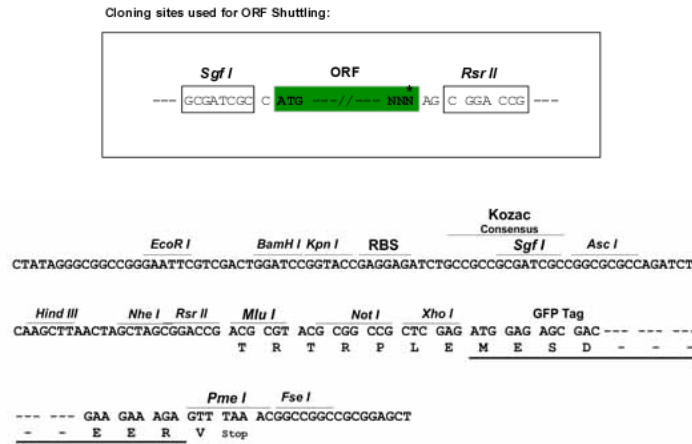
Protein Sequence: >MG205743 representing NM_198326
 Red=Cloning site Green=Tags(s)

MAEERQDALREFVAVTGTEDRARFFLESAGWDLQIALASFYEDGGDEDIVTISQATPSSVSRGTAPSDN
 RVTSFRDLIHDQDEEEEEEGQRSRFYAGGSERSGQQIVGPPRKKSPNELVDDLFGAKEHGAVAVERT
 KSPGETSKPRPFAGGGYRLGAAPEEESAYVAGERRRHSGQDVHVVLKLVKWTGFLDNGDLRSYQDPSNAQ
 FLESIRRGEVPAELRRLAHGGQVNLDMEDHRDEDFVKPKGAFKFTGEGQKLGSTAPQVLNTSSPAQQA
 NEAKASSILINEAEPPTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDARPAAMAATSFVLMTTFFPNKEL
 ADENQTLKEANLLNAVIVQRLT

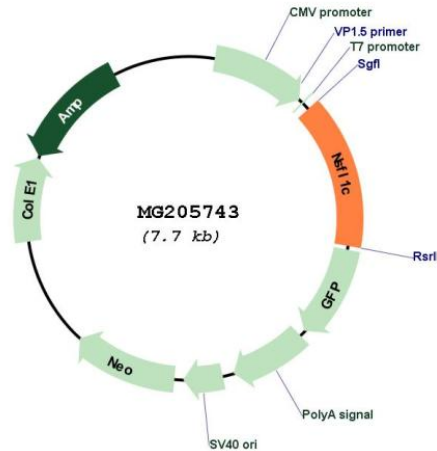
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_198326

| | |
|-------------------------------|---|
| ORF Size: | 1116 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_198326.3 |
| RefSeq Size: | 1355 bp |
| RefSeq ORF: | 1119 bp |
| Locus ID: | 386649 |
| UniProt ID: | Q9CZ44 |
| Cytogenetics: | 2 G3 |
| 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] |