

## Product datasheet for MC202643

### Nsfl1c (NM\_198326) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nsfl1c (NM\_198326) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nsfl1c  
**Synonyms:** Munc-18c; p47; Stxbp3a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC050936 sequence for NM\_198326  
 ATGGCGGAGGAGCGGCAGGACCGGTTGAGGGAGTTCGTGGCGGTGACTGGCACTGAGGAGGACAGGGCCC  
 GTTTCCTCCTGGAGTCGGCTGGCTGGGACCTGCAGATTGCACTTGCAAGCTTTTATGAGGATGGAGGGGA  
 TGAAGACATTGTGACCATTTACAAAGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCTCCTAGTATAAT  
 AGAGTGACATCCTTCAGAGACCTCATTGATGACCAAGATGAAGAGGAGGAGGAAGAGGAGGGACAGAGGA  
 GCAGGTTTTATGCTGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGTCTCCCGGAAGAAAAGTCC  
 CAACGAGCTGGTGGATGATCTGTTAAGGGTGCCAAAGAGCATGGGGCTGTAGCTGTGGAACGAGTGACC  
 AAGAGCCCTGGAGAGACCAGTAAACCGAGACCATTTGCAGGAGGGGGCTACCGCCTTGGAGCAGCACCAG  
 AGGAAGAGTCTGCCTATGTGGCAGGAGAAAGGAGGCGGCATTGAGCCAGGATGTTGATGAGTCTAAA  
 GCTCTGGAAGTGGATTGAGCCTAGACAATGGTGACCTTAGAAGCTACCAAGACCCATCCAATGCCAG  
 TTTCTGGAGTCTATCCGTAGAGGGGAGGTTCTGCAGAGCTTCGGAGGTTAGCGCATGGTGGCAGGTGA  
 ACCTGGATATGGAGGATCATCGGGATGAGGACTTCGTGAAGCCCAAGGGAGCTTTCAAAGCCTTCACTGG  
 CGAGGGCCAGAACTGGGCAGCAGGCCCCCCAGGATTAACACCCAGCTCTCCAGCCCAACAAGCAGAA  
 AATGAAGCCAAAGCTAGCTCGTCCATCTTAATCAATGAAGCAGAACCTACCACGAACATCCAATCCGGC  
 TTGCAGATGGCGGGAGGCTGGTGCAGAAATTAACACAGCCACAGGATCAGCGACATCCGGCTCTTCAT  
 CGTGGATGCCCGCCAGCTATGGCTGCCACCAAGTTTGTCTTATGACTACCTTCCCTAACAAAGAGCTG  
 GCTGATGAGAACCACCAACCTGAAGGAAGCCAACCTTCAACGCTGTGATCGTGCAGCGGTTAACATAAC  
 CGCCCAGCTGTTGCCTCACCTCCCTAAGTGTCTCCATGACTGTGGCCATGCCCGTGGGGATTTCTCC  
 ACCCGGTACACACCTAGCCCTTCCAGTGCCACGCTCGTCCGTAGCTCTGGATTCTTAGACTTCAGTTGG  
 ACATTTGTGTTCTTTAGTTGATTTTCTGGGTTTTTGTGATGATCAATGGACTTTAAAGAAAAA  
 TAAAAAACACAAAAATTTGAAGAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_198326  
**Insert Size:** 1119 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC050936</a> , <a href="#">AAH50936</a>
<b>RefSeq Size:</b>	1373 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	386649
<b>UniProt ID:</b>	<a href="#">Q9CZ44</a>
<b>Cytogenetics:</b>	2 G3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>