

## Product datasheet for **MC227324**

### **Nsfl1c (NM\_001291074) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nsfl1c (NM\_001291074) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nsfl1c  
**Synonyms:** Munc-18c; p47; Stxbp3a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227324 representing NM\_001291074  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**

ATGGCGGAGGAGCGGCAGGACGCGTTGAGGGAGTTCGTGGCGGTGACTGGCACTGAGGAGGACAGGGCCC  
GTTTCTCCTGGAGTCGGCTGGCTGGGACCTGCAGATTGCACTTGCAAGCTTTATGAGGATGGAGGGGA  
TGAAGACATTGTGACATTTACAAGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCTCCTAGTGATAAT  
AGAGTGACATCCTTCAGAGACCTCATTCATGACCAAGATGAAGAGGAGGAGGAAGAGGAGGGACAGAGGT  
TTTATGCTGGGGCTCAGAGAGAAGTGACAGCAGATTGTTGGTCTCCCGGAAGAAAAGTCCCAACGA  
GCTGGTGGATGATCTGTTAAGGGTGCCAAAGAGCATGGGGCTGTAGCTGTGGAACGAGTGACCAAGAGC  
CCTGGAGAGACCAGTAAACCGAGACATTTGCAGGAGGGGGCTACCGCCTGGAGCAGCACCAGAGGAAG  
AGTCTGCCTATGTGGCAGGAGAAAGGAGGCGGCATTAGGCCAGGATGTTTATGTAGTGTAAAGCTCTG  
GAAAAGTGGATTAGCCTAGACAATGGTGACCTTAGAAGCTACCAAGACCCATCCAATGCCAGTTTCTG  
GAGTCTATCCGTAGAGGGGAGGTTCTGCAGAGCTTCGGAGGTTAGCCATGGTGGCAGGTGAACCTGG  
ATATGGAGGATCATCGGGATGAGGACTTCGTGAAGCCCAAGGGAGCTTTCAAAGCCTTCACTGGCGAGGG  
CCAGAAAAGTGGGAGCAGCAGGCCCGCCAGGTATTAACACCAAGCTCTCCAGCCCAACAGCAGAAAATGAA  
GCCAAAAGCTAGCTCGTCCATCTTAATCAATGAAGCAGAACCTACCACGAACATCCAAATCCGGCTTGACG  
ATGGCGGGAGGCTGGTGCAGAAATCAACCACAGCCACAGGATCAGCGACATCCGGCTTTCATCGTGG  
TGCCCGGCCAGCTATGGCTGCCACAGTTTTGTCCTTATGACTACCTTCCCTAACAAAGAGCTGGCTGAT  
GAGAACCAACCTGAAGGAAGCAACCTTCTCAACGCTGTCATCGTGCAGCGGTTAACAT**AA**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001291074



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<b>Insert Size:</b>	1113 bp
<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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u>NM_001291074.1, NP_001278003.1</u>
<b>RefSeq Size:</b>	1480 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	386649
<b>UniProt ID:</b>	<u>Q9CZ44</u>
<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 (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>