

## Product datasheet for **SC127944**

### NSFL1C (NM\_016143) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NSFL1C (NM_016143) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSFL1C
Synonyms:	dj776F14.1; P47; UBX1; UBXD10; UBXN2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127944 sequence for NM_016143 edited (data generated by NextGen Sequencing)

```

ATGGCGGCGGAGCGACAGGAGGCGCTGAGGGAGTTCGTGGCGGTGACGGGCGCCGAGGAG
GACCGGGCCCGCTTCTTTCTCGAGTCGGCCGGCTGGGACTTGCAGATCGCGCTAGCGAGC
TTTTATGAGGACGGAGGGGATGAAGACATTGTGACCATTCGCGAGCAACCCCCAGTTCA
GTGTCCAGAGGCACAGCCCCAGTGATAATAGAGTGACATCCTTCAGAGACCTCATTTCAT
GACCAAGATGAAGATGAGGAGGAAGAGGAAGGCCAGAGTTTTATGCTGGGGGCTCAGAG
AGAAGTGGACAGCAGATTGTTGGCCCTCCAGGAAGAAAAGTCCCAACGAGCTGGTGGAT
GATCTCTTTAAAGGTGCCAAAGAGCATGGAGCTGTAGCTGTGGAGCGAGTGACCAAGAGC
CCTGGAGAGACCAGTAAACCGAGACCATTTCAGGAGGTGGCTACCGCCTTGGGGCAGCA
CCAGAGGAAGAGTCTGCCTATGTGGCAGGAGAAAAGAGGCAGCATTCCAGCCAAGATGTT
CATGTAGTATTGAACTCTGGAAGAGTGGATTCAGCCTGGATAATGGAGAACTCAGAAGC
TACCAAGACCCATCCAATGCCCCAGTTTCTGGAGTCTATCCGCGAGAGGGGAGGTGCCAGCA
GAGCTTCGGAGGCTAGCTCACGGTGGACAGGTGAACTTGGATATGGAGGACCATCGGGAC
GAGGACTTTGTGAAGCCAAAGGAGCCTTCAAAGCCTTCACTGGCGAGGGTCCAGAAACTG
GGCAGCACTGCCCCCAGGTGTTGAGTACCAGCTCTCCAGCCCAACAGGCAGAAAATGAA
GCCAAAGCCAGCTCTCCATCTTAATCGACGAATCAGAGCCTACCACAAACATCCAAATT
CGGCTTGACAGCGCGGGAGGCTGGTGCAGAAATTTAACCACAGCCACAGGATCAGCGAC
ATCCGACTTTCATCATGGATGCCCGGCCAGCCATGGCTGCCACCAGCTTTATCCTCATG
ACTACTTTCCCGAACAAGAGCTGGCTGATGAGAGCCAGACCCTGAAGGAAGCCAACCTG
CTCAATGCTGTATCGTGCAGCGGTTAACATAA

```

Clone variation with respect to NM\_016143.4  
976 g=>a



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016143 unedited  
 ATTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGATCGGCTGGGCC  
 TCGTCGACCGGCAAGCGGAACGCGGCAGCGGGGCTGGGCCTGTGCGGGCGGCCGCGGAGC  
 GCTTTGGAAGGCGCACGGGGCGAAGATGGCGGGGAGCGACAGGAGGCGCTGAGGGAGTT  
 CGTGGCGGTGACGGGCGCCGAGGAGGACCGGGCCCGCTTCTTTCTCGAGTCGGCCGGCTG  
 GGACTTGCAGATCGCGCTAGCGAGCTTTTATGAGGACGGAGGGGATGAAGACATTGTGAC  
 CATTTTCGAGGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCCCCAGTGATAATAGAGT  
 GACATCCTTCAGAGACCTCATTGATGACCAAGATGAAGATGAGGAGGAAGAGGAAGGCCA  
 GAGTTTTATGCTGGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGCCCTCCCAGGAA  
 GAAAAGTCCCAACGAGCTGGTGGATGATCTCTTTAAAGGTGCCAAAGAGCATGGAGCTGT  
 AGCTGTGGAGCGAGTGACCAAGAGCCCTGGAGAGACCAGTAAACCGAGACCATTTCAGG  
 AGGTGGCTACCGCCTTGNCGCAGCACCAGAGGAAGAGTCTGCCTATGTGGCAGGAGAAAA  
 GAGGCAGATTCCAGCCAAGATGTTGATGATGATTGAAACTCTGGAAGAGTGGATTTCAG  
 CCTGNATTATGGAGAACTCAGAAGCTACCAAGACCCATNNCATGCCAGTTTCTGGAGTC  
 TATCCGCAGAGGGGAGTGCCAGCAGAGCTTCNGAGGCTAGCTCACGGTGGACAGGTGAA  
 CTTGNATATGGANGACCCATCGGACGAGGACTTGTGAAGCCCAAGGAGCTTTCAAGNC  
 CTCACTGGCGAGGNTCAAANCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016143 unedited  
 CCAGGNCCAGNGANAGCACTGGGGNAGGGTCACAGGGNTGCCACCCGGGCACTGTTTCAGG  
 AAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTGCTCCTATTTTGGTTTTTAATGGTCAAGGTGACAACAGTGTACAGTTTTTCCA  
 GACCCATATGTAGTTCCATAATCTCCACCTGCTGGAGAAAACACCGTGACAGATGCCAT  
 TGCCCCAGCAGGCCACTGCCGGTGTGGAACTTTGGGATCAAAAGCACCAAGCCAAGTCC  
 CTTGCTCAAGATGGGTCTTGGTTGAAACCACAAGCCCTTCTGCAGTTCTAGGTGGATGTA  
 GTGTTGGTTCTTGGCTCATTGCAGGGGTGAAGCAGGAAAAAAAAAAGAACTGGTGAGGCC  
 TGCTTGGAAAGAGGATTGAGGCACATTACGATTCACCAACCAGGAGATCCTGAGTCAGCAC  
 TGATTCTGTCTCTGTTTGTGTTAATACCGGAAAGGGTTCCATCCAAGAACCCAATAGGCC  
 TCCTCTCCCAAACCTGCATAGCAATCAAACCTTATAGGGGTGGTNGAGGGTCTTTACCAA  
 GCTAGGACTACTGCCTATGTTTCTGCAAGTCACAAGTCAACAGGTCAAAGAACAAGTGTG  
 AAGCAGAACCTGCTAAGCAAAGCCAAGTAGTGACACTCACTTCCAAAACATACCCAGCAA  
 AAGCCTCCTGCAAGTACCAACAGTGACAGGTGCTTGTAGCACAGAAAACACCCCTTCT  
 TCAACAGTTGATTTGATTTGCC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016143

**OTI Disclaimer:**

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).

**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:**

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\\_016143.3](#), [NP\\_057227.2](#)

**RefSeq Size:** 3644 bp

**RefSeq ORF:** 1113 bp

**Locus ID:** 55968

**UniProt ID:** [Q9UNZ2](#)

**Cytogenetics:** 20p13

**Domains:** UBX, FAF

**Gene Summary:** N-ethylmaleimide-sensitive factor (NSF) and valosin-containing protein (p97) are two ATPases known to be involved in transport vesicle/target membrane fusion and fusions between membrane compartments. A trimer of the protein encoded by this gene binds a hexamer of cytosolic p97 and is required for p97-mediated regrowth of Golgi cisternae from mitotic Golgi fragments. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 8. [provided by RefSeq, May 2011]

Transcript Variant: This variant (1) encodes isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.