

Product datasheet for **RG221450**

NSFL1C (NM_018839) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NSFL1C (NM_018839) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NSFL1C
Synonyms: dj776F14.1; P47; UBX1; UBXD10; UBXN2C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG221450 representing NM_018839
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGAGCGACAGGAGGCGCTGAGGGAGTTCGTGGCGGTGACGGGCGCCGAGGAGGACCGGGCC
GCTTCTTTCTCGAGTCGGCCGGCTGGGACTTGCAGATCGCGCTAGCGAGCTTTTATGAGGACGGAGGGGA
TGAAGACATTGTGACATTTTCGAGGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCCCCAGTGATAAT
AGAGTGACATCCTTCAGAGACCTCATTTCATGACCAAGATGAAGATGAGGAGGAAGAGGAAGGCCAGAGGT
TTTATGCTGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGCCCTCCAGGAAGAAAAGTCCCAACGA
GCTGGTGGATGATCTCTTAAAGGTGCCAAGAGCATGGAGCTGTAGCTGTGGAGCGAGTGACCAAGAGC
CCTGGAGAGACCAGTAAACCGAGAGTTCATGTAGTATTGAAACTCTGGAAGAGTGGATTCAGCCTGGATA
ATGGAGAACTCAGAAGCTACCAAGACCCATCCAATGCCAGTTTCTGGAGTCTATCCGCAGAGGGGAGGT
GCCAGCAGAGCTTCGGAGGCTAGCTCACGGTGGACAGGTGAACCTGGATATGGAGGACCATCGGGACGAG
GACTTTGTGAAGCCAAAGGAGCCTTCAAAGCCTTCACTGGCGAGGGTCAAGAACTGGGCAGCACTGCC
CCCAGGTGTTGAGTACCAGCTCTCCAGCCCAACAGGCAGAAAAAAGCAAGCCAAAGCCAGCTCTTCCATCTT
AATCGACGAATCAGAGCCTACCACAAACATCCAATTCGGCTTGCAGACGGCGGGAGGCTGGTGCAGAAA
TTTAACCACAGCCACAGGATCAGCGACATCCGACTCTTCATCGTGGATGCCCGCCAGCCATGGCTGCCA
CCAGCTTTATCCTCATGACTACTTTCCCGAACAAAGAGCTGGCTGATGAGAGCCAGACCCCTGAAGGAAGC
CAACCTGCTCAATGCTGTCATCGTGCAGCGTTAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG221450 representing NM_018839
 Red=Cloning site Green=Tags(s)

MAAERQEALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGDEDIVTISQATPSSVSRGTAPSDN
 RVTSFRDLIHDQDEDEEEEGQRFYAGGSERSGQIVGPPRKKSPNELVDDLFKGAKEHGAVAVERTKS
 PGETSKPRVHVVLKWKSGFLDNGELRSYQDPSNAQFLESIRRGEVPAELRRLAHGGQVNLDMEDHRDE
 DFVKPKGAFKFTGEGQKLGSTAPQVLSTSSPAQQAENEAKASSSILIDESEPTTNIQIRLADGGRLVQK
 FNHSHRISDIRLFIVDARPAAMAATSFILMTTFPNKELADESRTLKEANLLNAVIVQRLT

TRTRPLE - GFP Tag - V

Restriction Sites:

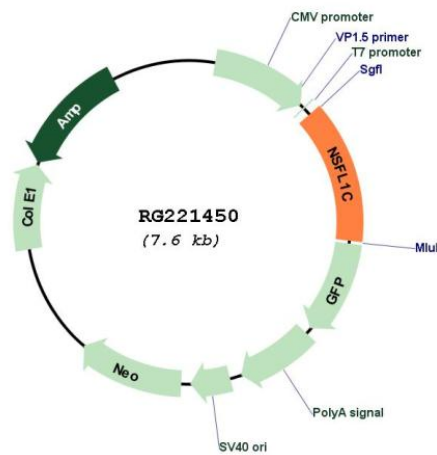
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_018839

ORF Size: 1017 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_018839.4 , NP_061327.2
RefSeq Size:	3551 bp
RefSeq ORF:	1020 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]