

Product datasheet for **RG201022**

NSFL1C (NM_016143) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NSFL1C (NM_016143) 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: >RG201022 representing NM_016143
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCGGAGCGACAGGAGGCGCTGAGGGAGTTCGTGGCGGTGACGGGCGCCGAGGAGGACCGGGCCC
 GCTTCTTTCTCGAGTCGGCCGGCTGGGACTTGCAGATCGCGCTAGCGAGCTTTTATGAGGACGGAGGGGA
 TGAAGACATTGTGACATTTTCGAGGCAACCCCAAGTTCAGTGTCCAGAGGCACAGCCCCAGTGATAAT
 AGAGTGACATCCTTCAGAGACCTCATTTCATGACCAAGATGAAGATGAGGAGGAAGAGGAAGGCCAGAGGT
 TTTATGCTGGGGCTCAGAGAGAAGTGGACAGCAGATTGTTGGCCCTCCAGGAAGAAAAGTCCCAACGA
 GCTGGTGGATGATCTCTTAAAGGTGCCAAGAGCATGGAGCTGTAGCTGTGGAGCGAGTGACCAAGAGC
 CCTGGAGAGACCAGTAAACCGAGACATTTGCAGGAGGTGGCTACCGCCTTGGGGCAGCACCAGAGGAAG
 AGTCTGCCTATGTGGCAGGAGAAAAGAGGCAGCATTCCAGCCAAGATGTTTCATGTAGTATTGAAACTCTG
 GAAGAGTGGATTGAGCCTGGATAATGGAGAAGTCCAGCAAGATGTTTCATGTAGTATTGAAACTCTG
 GAGTCTATCCGCAGAGGGGAGGTGCCAGCAGAGCTTCGGAGGCTAGCTCACGGTGGACAGGTGAACCTGG
 ATATGGAGGACCATCGGGACGAGGACTTTGTGAAGCCAAAGGAGCCTTCAAAGCCTTACTGGCGAGGG
 TCAGAAACTGGGCAGCACTGCCCCCAGGTGTTGAGTACCAGCTCTCCAGCCAAACAGGCAGAAAATGAA
 GCCAAAGCCAGCTCTTCCATCTTAATCGACGAATCAGAGCCTACCACAAACATCCAAATTCGGCTTGCA
 ACGGCGGAGGCTGGTGCAGAAAATTAACCACAGCCACAGGATCAGCGACATCCGACTCTTCATCGTGGA
 TGCCCGGCCAGCCATGGCTGCCACCAGCTTTATCCTCATGACTACTTTCCGAACAAAGAGCTGGCTGAT
 GAGAGCCAGACCTGAAGGAAGCCAACCTGCTCAATGCTGTCATCGTGCAGCGGTTAACA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG201022 representing NM_016143
 Red=Cloning site Green=Tags(s)

MAAERQEALREFVAVTGAEEDRARFFLESAGWDLQIALASFYEDGGDEDIVTISQATPSSVSRGTAPSDN
 RVTSFRDLIHDQDEDEEEEEQRFYAGGSERSGQIVGPPRKKSPNELVDDLFKGAKEHGAVAVERTKS
 PGETSKPRPFAGGGYRLGAAPEEESAYVAGEKROHSSQDVHVVLKWKSGFSLDNGELRSYQDPSNAQFL
 ESIRRGEVPAELRRLAHGGQVNLDMEDHRDEDFVKPKGAFKFTGEGQKLGSTAPQVLSTSSPAQQAENE
 AKASSSILIDESEPTTNIQIRLADGGRLVQKFNHSHRISDIRLFIVDARPAMAATSFILMTTFPNKELAD
 ESQTLKEANLLNAVIVQRLT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016143

ORF Size: 1110 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:

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_016143.4](#)

RefSeq Size: 3644 bp

RefSeq ORF: 1113 bp

Locus ID: 55968

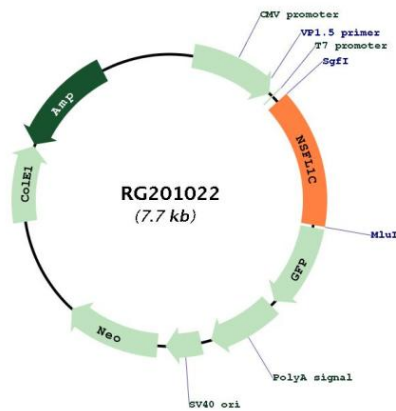
UniProt ID: [Q9UNZ2](#)

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]

Product images:



Circular map for RG201022