

## Product datasheet for **MR201993**

### Nfu1 (NM\_020045) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nfu1 (NM_020045) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfu1
Synonyms:	0610006G17Rik; CGI-33; Hirip5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201993 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTATTTAAACACAAGACACCCCAATCCCAACAGCTTAAAGTTTATACCAGGAAAGCCGTTCTTG  
AGACGAGGACCATGGATTTCCCAACCCCTGCTGCAGCTTTCGCTCCCTCTGGCCAGGCAGTTATTCAG  
AATTGAAGGTGTGAAAAGCGTCTTCTCGGACCAGATTTATCAGTCACAAAGGAGAATGAAGAGTTA  
GACTGGAATTTACTGAAACCAGACATTTATGCCACAATTATGGACTTCTTGCATCTGGCTTACCCCTAG  
TGACCGAGGAGACGCCTCCGCCTCCGGGAGAAGCAGGCTCTGAGGAAGATGACGAAGTCGTGGCAATGAT  
TAAAGAACTGCTAGATACTAGAATAAGGCCAACTGTGCAGGAGGATGGGGGCGACGTGATCTACAGGGGC  
TTTGAAGATGGCATCGTGCAGGCTGAAGCTCCAGGGCTCCTGCACCACTGCCCGAGCTCCATCATACCC  
TGAAGAGCGGGATTGAGAACATGCTGCAGTTTTATATCCAGAAGTGGAAGGTGTGGAGCAGGTGATGGA  
TGATGACGAATCAGATGAAAAAGAAGCAAATTCATCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR201993 protein sequence Red=Cloning site Green=Tags(s)
-------------------	--

MFIQTDTPNPNSLKFIPGKPVLETRTMDFTPAAAFRSPLARQLFRIEGVKSVEFGPDFITVTKENEEL  
DWNLLKPDYATIMDFASGLPLVTEETPPPPGEAGSEEDDEVVAMIKELLDTRIRPTVQEDGGDVIYRG  
FEDGIVRLKLQGSCTSCPSSIITLKSIGIQNMLQFYIPEVEGVEQVMDDESDEKEANSS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

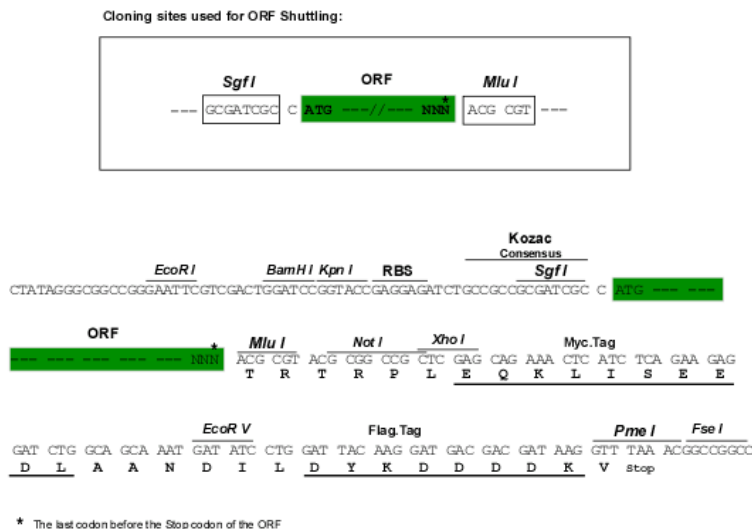


[View online »](#)



Restriction Sites: Sgfl-MluI

### Cloning Scheme:



ACCN: NM\_020045

ORF Size: 600 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\\_020045.2](#), [NP\\_064429.1](#)

RefSeq Size: 965 bp

RefSeq ORF: 768 bp

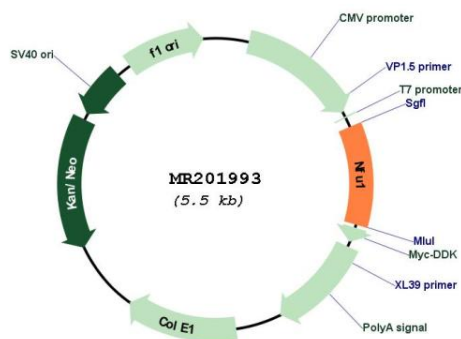
Locus ID: 56748

UniProt ID: Q9QZ23



<b>Cytogenetics:</b>	6 D1
<b>MW:</b>	22.1 kDa
<b>Gene Summary:</b>	Iron-sulfur cluster scaffold protein which can assemble [4Fe-4S] clusters and deliver them to target proteins.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR201993