

## Product datasheet for **MC203723**

### Nfu1 (NM\_020045) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nfu1 (NM\_020045) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nfu1  
**Synonyms:** 0610006G17Rik; CGI-33; Hirip5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC018355  
 GCGGGCATGGGGAGCAGCGGTGGTGTAGTCCGGCTGTGCAGGCGGTTCTGTGTCATGTAGCGACTCCACAC  
 ACCTTTAAGAAACAACCTCTGCATCAATATGCACGGAGACCACTTTTCCGCTGCGCGCACCTTTGTGTA  
 ACACAGTACGATTCATGTTTATTCAAACACAAGACACCCCAAATCCCAACAGCTTAAAGTTTATACCAGG  
 AAAGCCGTTTCTTGAGACGAGGACCATGGATTTCCCAACCCCTGCTGCAGCTTCCGCTCCCTCTGGCC  
 AGGCAGTTATTCAGAATTGAAGGTGTGAAAAGCGTCTTCTCGGACCAGATTTTCATCACAGTCACAAAGG  
 AGAATGAAGAGTTAGACTGGAATTTACTGAAACCAGACATTTATGCCACAATTATGGACTTCTTTCATC  
 TGGCTTACCCCTAGTGACCGAGGAGACGCTCCGCTCCGGGAGAAGCAGGCTCTGAGGAAGATGACGAA  
 GTCGTGGCAATGATTAAGAAGTCTAGATACTAGAATAAGGCCAACTGTGCAGGAGGATGGGGCGACG  
 TGATCTACAGGGGCTTTGAAGATGGCATCGTCCGGCTGAAGCTCCAGGGCTCTGCACCAGCTGCCCCAG  
 CTCCATCATCACCTGAAGAGCGGGATTCAGAACATGCTGCAGTTTTATATTCCAGAAGTGAAGGTGTG  
 GAGCAGGTGATGGATGATGACGAATCAGATGAAAAAGAAGCAAATTCATCTTAAATAATCGCATTTTCT  
 TTGGCCACAACCATTTGGACTTATCTTTACTGATCTGTAAATTATAGTCTCTGCTATGGAAGTTTATTAAT  
 AAAAGTTTCTCTCCAGAATGATATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_020045

**Insert Size:** 600 bp

**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).



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**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:** [BC018355](#), [AAH18355](#)

**RefSeq Size:** 885 bp

**RefSeq ORF:** 600 bp

**Locus ID:** 56748

**UniProt ID:** [Q9QZ23](#)

**Cytogenetics:** 6 D1

**Gene Summary:** Iron-sulfur cluster scaffold protein which can assemble [4Fe-4S] clusters and deliver them to target proteins.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) uses an alternate splice site in the coding region, compared to variant 1, which results in a protein (isoform 2) that is one amino acid shorter than isoform 1.