

Product datasheet for **MR218851**

Nfu1 (NM_001170591) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfu1 (NM_001170591) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nfu1
Synonyms: 0610006G17Rik; CGI-33; Hirip5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR218851 representing NM_001170591
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGGCGCCGAGCGGGCATGGGGAGCAGCGGTGGTGTAGTCCGGCTGTGCAGGCGGTTCTGTCATG
TAGCGACTCCACACACCTTTAAGAAACAACCTCTGCATCAATATGTACGGAGACCACTTTCCCGCTGCC
CGCACCCTTGTGTAACACAGTACGATTCATGTTTATTCAAACACAAGACACCCCAATCCCAACAGCTTA
AAGTTTATACCAGGAAAGCCGGTTCTTGAGACGAGGACCATGGATTTCCCAACCCCTGCTGCAGCTTCC
GCTCCCTCTGGCCAGGCAGTTATTCAGAATTGAAGGTGTGAAAAGCGTCTTCTTCGGACCAGATTTTCAT
CACAGTCACAAAGGAGAAATGAAGAGTTAGACTGGAATTTACTGAAACCAGACATTTATGCCAATTATG
GACTTCTTTGCATCTGGCTTACCCTAGTGACCGAGGAGACGCCTCCGCCTCCGGGAGAAGCAGGTAGCT
CTGAGGAAGATGACGAAGTCGTGGCAATGATTAAGAAGTGTAGATACTAGAATAAGGCCAACTGTGCA
GGAGGATGGGGGCGACGTGATCTACAGGGGCTTTGAAGATGGCATCGTGCGGCTGAAGCTCCAGGGCTCC
TGCACCAGCTGCCCCAGCTCCATCATCACCTGAAGAGCGGGATTCAGAACATGCTGCAGTTTTATTC
CAGAAGTGAAGGTGTGGAGCAGGTGATGGATGATGACGAATCAGATGAAAAAGAAGCAAATTCATCT

**ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



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Protein Sequence: >MR218851 representing NM_001170591
 Red=Cloning site Green=Tags(s)

MAAAERAWGAAVGVVRLCRRFCHVATPHTFKKQPLHQYVRRPLFPLRAPLCNTVRFMFIQTQDTPNPNSL
 KFIPGKPVLETRTMDFTPAAAFRSPLARQLFRIEGVKSVEFGPDFITVTKENEELDWNLLKPDYATIM
 DFFASGLPLVTEETPPPPGEAGSSEEDDEVVAMIKELLDTRIRPTVQEDGGDVIYRGFEDGIVRLKLGQS
 CTSCPSSIITLKSIGIQNMLQFYIPEVEGVEQVMDDDESDEKEANSS

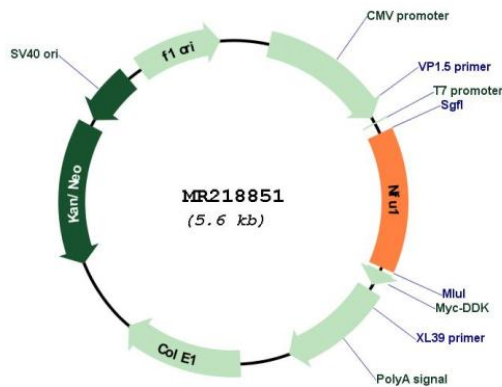
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001170591
ORF Size: 768 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_001170591.1 , NP_001164062.1
RefSeq Size:	968 bp
RefSeq ORF:	771 bp
Locus ID:	56748
UniProt ID:	Q9QZ23
Cytogenetics:	6 D1
MW:	29.1 kDa
Gene Summary:	Iron-sulfur cluster scaffold protein which can assemble [4Fe-4S] clusters and deliver them to target proteins.[UniProtKB/Swiss-Prot Function]