

Product datasheet for **MG218851**

Nfu1 (NM_001170591) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfu1 (NM_001170591) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfu1
Synonyms:	0610006G17Rik; CGI-33; Hirip5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218851 representing NM_001170591 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGGCCGAGCGGGCATGGGAGCAGCGGTCGGTGTAGTCCGGCTGTGCAGGCGGTTCTGTCATG
TAGCGACTCCACACACCTTTAAGAAACAACCTCTGCATCAATATGTACGGAGACCACTTTCCCGCTGCG
CGCACCCTTGTTAACACAGTACGATTCATGTTTATTCAAACACAAGACACCCCAATCCAACAGCTTA
AAGTTTATACCAGGAAAGCCGGTCTTGAGACGAGGACCATGGATTTCCCACCCCTGCTGCAGCTTCC
GCTCCCTCTGGCCAGGCAGTTATTCAGAATTGAAGGTGTGAAAAGCGTCTTCTTCGGACCAGATTTTCAT
CACAGTCACAAAGGAGAATGAAGAGTTAGACTGGAATTTACTGAAACCAGACATTTATGCCACAATTATG
GACTTCTTTGCATCTGGCTTACCCTAGTGACCGAGGAGACGCCTCCGCCTCCGGGAGAAGCAGGTAGCT
CTGAGGAAGATGACGAAGTCGTGGCAATGATTAAGAAGTCTAGATACTAGAATAAGGCCAACTGTGCA
GGAGGATGGGGGCGACGTGATCTACAGGGGCTTTGAAGATGGCATCGTCCGGCTGAAGCTCCAGGGCTCC
TGCACCAGCTGCCCCAGCTCCATCATCACCTGAAGAGCGGGATTGAGAATGCTGCAGTTTTATATTC
CAGAAGTGAAGGTGGAGCAGGTGATGGATGATGACGAATCAGATGAAAAAGAAGCAAATTCATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218851 representing NM_001170591
 Red=Cloning site Green=Tags(s)

MAAAERAWGAAVGVVRLCRRFCHVATPHTFKKQPLHQYVRRPLFPLRAPLCNTVRFMFIQTQDTPNPNSL
 KFIPGKPVLETRTMDFPPTAAAFRSPLARQLFRIEGVKSVEFGPDFITVTKENEELDWNLLKPDYATIM
 DFFASGLPLVTEETPPPPGEAGSSEEDDEVVAMIKELLDRIRPTVQEDGGDVIYRGFEDGIVRLKLQGS
 CTSCPSSIITLKSGIQNMLQFYIPEVEGVEQVMDDDESDEKEANSS

TRTRPLE - GFP Tag - V

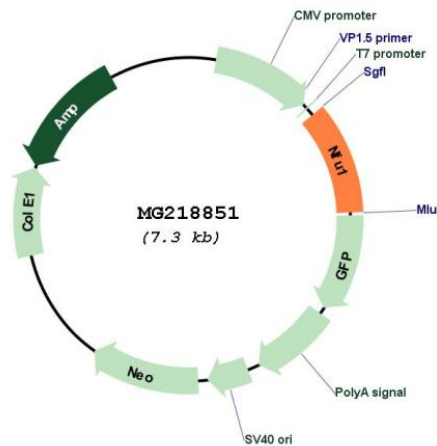
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



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
Gene Summary:	Iron-sulfur cluster scaffold protein which can assemble [4Fe-4S] clusters and deliver them to target proteins.[UniProtKB/Swiss-Prot Function]