

## Product datasheet for **MG221133**

### **Rnf38 (NM\_175201) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnf38 (NM_175201) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf38
Synonyms:	1700065B19Rik; 2610202O07Rik; AA673263; Oip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221133 representing NM\_175201  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGAGAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCTCTCTCATTAGCTTTGATTATACAT  
 CAGCATACCAGCTCCCTCACCACCAATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCTCAGT  
 TCGACCAATCAACATCACTTCTCAGGGGAACGCTGTAACACACCTGCACGCAACAGAAGAAGTCCCTCT  
 GTTAGGGCTCAGCGAGGAAGAAGGGAACGCTGTCTCGACATAATTCCATTAGTCAAGATGAAAATATC  
 ACCATCTCCCTTATGCACAGCAGCAAGCAATAGAGGAACCTCGAGCCTTCCACCTCCGAATGTATCTCC  
 CCGTCTGTACATCCAGCTGCCATCCCCCAGCAGAATGCAGTCATGGTTGACATACATGATCAGCTC  
 CATCAAGGAACAGTTCCTGTCTCTACACGGAACACTACGGTGGCACCCCATGGGCTTCCACTCTGACTG  
 GCCAGCACATCCCTGCTGCAGTACACAGCAGGTCCAGGATGCTCGGTGGTTTTAGTGGACAACACCT  
 CCCCCTGTAGTGTGCCTCCTCAATGCTTCAGGCATGTTAGTTCAGCACTTACCAGTACCATATGCT  
 GGGTCCCGCCCTCATTCTAGCGATCCGTTTCTATACATCCTCCTCATCTTTCTCCCATCATCCTC  
 CCCACTTGCCACCACCAGGCCAATTTGTCCTTTCCAAACACAGCAGTCACGATCGCCTCTCGAGAGGAT  
 AGAAAAAGAAGTGGAGCTCTTAGGAGAACATCTCAAGTAGGCAGTTTTACTTATCCCCCTTCAGCCAT  
 CCCCCAACATTACCTCCGTGAGTCTTTGAGTTCCTGACACATGACCTTTGCATCAGGAGGTGTCTCT  
 TTGGAGTACCTTACCACCATTTATGCCTCGGAGACTCACAGGACGTAGTAGATACCGATCCCAGCAGCC  
 AATGCCCTCCTCCTTACCATCCAGCTTACTACCATACGTGCTATCAATGCTTCCAGTACCACCTGCA  
 GTGGGCCCAACCTTCAGCTTTGAATTAGATGTAGAAGCGGAGAAGTTGAAAATTATGAGGCCCTGTAA  
 ACTTGGCGGAGAGACTGGGAGAGGCGAAACCTCGGGACTGACTAAAGCAGATATTGAACAGCTTCCCTC  
 GTACAGGTTCAATCCTAGCAACCACCAGTCAGAGCAGACTTGTGTGTAGTATGCATGTGTGATTTTGGAG  
 TCAAGGACGTTCTTAGAGTCTTACCTGTAACCACGAGTTCATGCCAAGTGTGTTGATAAATGGCTTA  
 AGGAAACCGTACCTGCCCAATTTGCCGAGCTGATGCTTCAGAAGTGCATCGCGATTAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG221133 representing NM\_175201  
 Red=Cloning site Green=Tags(s)

MRESEDSPSPKRQRLSHSVFDYTSASPAPSPMPRPWEMTSNRQPPSVRPNQHHFSGERCNTPARNRRSPP  
 VRRQRGRRLSRHNSISQDENYHLLPYAQQQAIEEPRAFHPNVSPLLHPAAHPPQNAVMDIHDQL  
 HQGTVPVSYTVTTVAPHGLPLCTGQHIPACSTQQVPGCSVVFSGQHLPVCSVPPMLQACSVQHLVPVYA  
 AFPPLISSDPFLIHPPHLSPHHPPHLPPLPPGQFVFPQTQQSRSPQLQRIENEVELLGEHLQVGSFTYPPSAH  
 PPTLPPSAPLQFLTHDPLHQEVSFVGPYPFMPRRLTGRSRYRSQQMPPPPYHPSLLPYVLSMLPVPPA  
 VGPTFSFELDVEDGEVENYEALLNLAERLGEAKPRGLTKADIEQLPSYRFNPSNHQSEQLCVVCMCDFE  
 SRQLLRVLPCHNEFHAKCVDKWLKGNRTCPICRADASEVHRDSE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_175201

**ORF Size:** 1392 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\\_175201.7](#)

**RefSeq Size:** 4989 bp

**RefSeq ORF:** 1395 bp

**Locus ID:** 73469

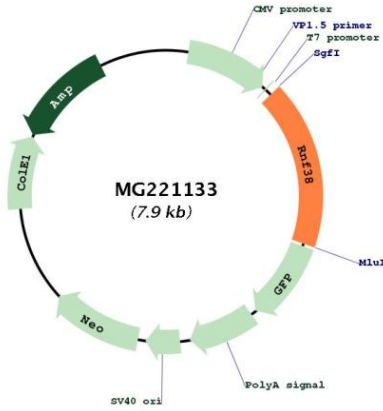
**UniProt ID:** [Q8BI21](#)

**Cytogenetics:** 4 B1

**Gene Summary:**

Acts as an E3 ubiquitin-protein ligase able to ubiquitinate p53/TP53 which promotes its relocalization to discrete foci associated with PML nuclear bodies. Exhibits preference for UBE2D2 as a E2 enzyme.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG221133