

## Product datasheet for **MG201328**

### **Rnf181 (NM\_025607) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf181 (NM\_025607) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rnf181  
**Synonyms:** 1700047F16Rik; 2500002L14Rik; 6230415N01Rik; C77350  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201328 representing NM\_025607  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCGTCTTATTTTGATGAGCAGCACTGCGAGCCGTTGAACCCTGAGCGTGAGGCCCGCAACAATATGT  
TGCTGGAACGCGGAGAAGAGTGC GCGGGGCTTGGAGCTGGGCCCCGGGCGGCAGATCACTCTTTAATAG  
GATGGACTTTGAGGACCTGGGATTGGTAGATTGGGAACACCACCTTCCCCACCAGCTGCCAAGGCTGTG  
GTGGAGAGCCTCCCTAGAACAGTCATCAGTAGCGCCAAGGCTGATCTCAAGTGCCCGTGTGCCTTTTGG  
AATTTGAGGCGGAGGAGACTGTGATTGAGATGCCCTGCCATCATCTCTTCCATTCCAACGATTCTGCC  
CTGGCTAAGTAAGACAAATTCCTGCCCTCTGTGCCGCCATGAGCTGCCCACTGATGATGACAGCTATGAA  
GAGCACAAGAAAGACAAGGCTCGCAGGCAGCAGCAGCAGCACCGCCTGGAGAACCTCCACGGAGCCATGT  
ACACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201328 representing NM\_025607  
Red=Cloning site Green=Tags(s)

MASVFDEHDCEPLNPEREARNMELLEARRVRGAWSWAPGGRSLFNRMDFEDLGLVDWEHLLPPPAKAV  
 VESLPRTVISSAKADLKCPVCLLEFEAEETVIEMPCHHLFHSNCILPWLKTNCSPLCRHELPTDDDSYE  
 EHKDKARRQQQHRLENLHGAMYT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

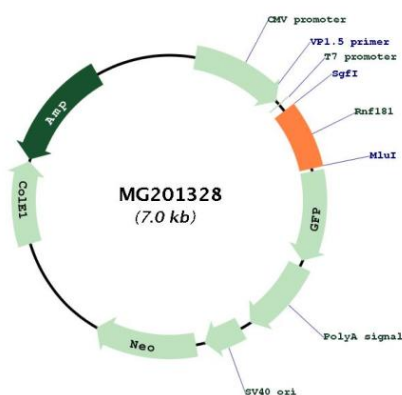

ACCN:	NM_025607
ORF Size:	495 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
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"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<a href="#">NM_025607.4</a>
RefSeq Size:	1397 bp
RefSeq ORF:	498 bp
Locus ID:	66510

UniProt ID: [Q9CY62](#)

Cytogenetics: 6 C1

Gene Summary: E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates.  
[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MG201328