

Product datasheet for **MC210531**

Rffl (NM_001007465) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rffl (NM_001007465) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rffl
Synonyms: 1700051E09Rik; 4930516L10Rik; BG080975; Carp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210531 representing NM_001007465
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGCATCCTGCTGCAACTGGTTCTGCTTGGATGGACAGCCTGAGGAGGCACCACCACAGGGAG
 CCAGGACACAAGCCTATCCAACCTGGGTACAGCTCCTTCCCTTCCCCACAGGCTCGGAACCTAGCTG
 CAAGGCCTGCGGGTCCATTTTCGAAGCACAACCCGGAAGCAGACCTGCTTGGACTGTAAGAAAACTTC
 TGCAATGACTTGTTCGAGCCAAGAGGGGAATGGCCACGCCTCTGCCTTCTCTGCCTACGGTCCGAGCCA
 CGGCCCTCCAGCGGGAGGAGCTCATGAAGATGAAGGTGAAGGACCTGAGGGACTATCTCAGCCTCCACGA
 CATCTCTACGGAAATGTGCCGGGAGAAAGAGGAGCTGGTGTTCCTGGTGCTTGGCCAGCAGCCTGTAATT
 TCTGAGGCGGACAGGACTCGTGTTCCTTCCCACTTGCCTCAGGCTTCCCTGAGCAGCAGGCCTTCTGACCC
 AGCCTCAAACCAGCACAGTGCCTCCTACCTCACCTGGCTCCCTTCTTACCTGCACAAGTACCTCTGT
 CCCCTTAGCCAGGATCAGGAACTCAGCAGGCCGTTGGCCATGTGTCTCAGGACCAGGAGGCCATC
 TTCCCGGAGAGCACAGCCAGAGTACCTACTGAGGATGAGACCCAGTCCGTTGACTCAGAGGACAGCTTCG
 TCCAGGCCGGAGGGCCCTGCTGTCTGACCTGACCCACCTGGAGGACATTGAAGGCCTGACCGTACGGCA
 GCTGAAGGAGATCCTGGCTCGTAACTTTGTCAACTATAAGGGCTGCTGCGAGAAGTGGGAGCTGATGGAG
 AGGGTACTCGGCTGTACAAGGATCAGAAAGGACTCCAGCACCTGGTGTCTGGTAAATGAAGACAAAACG
 GGGGAGCAGTGCCTTCTGGCCTGGAGGAGAACCTGTGAAGATTTGCATGGACTCACCCATTGACTGTGT
 TCTGCTGGAGTGTGGCCACATGGTGACCTGTACCAAGTGTGGCAAACGCATGAACGAATGCCTATCTGC
 CGGCAGTATGTGATCAGAGCAGTGCACGTCTTCCGGTCC**TGA**

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007465



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Insert Size:	1092 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).
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:	<u>NM_001007465.3</u> , <u>NP_001007466.1</u>
RefSeq Size:	3506 bp
RefSeq ORF:	1092 bp
Locus ID:	67338
Cytogenetics:	11 C
Gene Summary:	<p>E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Mediates 'Lys-48'-linked polyubiquitination of PRR5L and its subsequent proteasomal degradation thereby indirectly regulating cell migration through the mTORC2 complex. Also ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate apoptosis downstream of death domain receptors. Also negatively regulates the tumor necrosis factor-mediated signaling pathway through targeting of RIPK1 to ubiquitin-mediated proteasomal degradation. Negatively regulates p53/TP53 through its direct ubiquitination and targeting to proteasomal degradation. Indirectly, may also negatively regulate p53/TP53 through ubiquitination and degradation of SFN. May also play a role in endocytic recycling. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>