

Product datasheet for MC210530

Rffl (NM_001164570) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rffl (NM_001164570) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rffl
Synonyms:	1700051E09Rik; 4930516L10Rik; BG080975; Carp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210530 representing NM_001164570 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACAGCCTAGCCTGTGGAAGGACAGCCATTATTTATCATGTGGGCATCCTGCTGCAACTGGTTCT
GCTTGGATGGACAGCCTGAGGAGGCACCACCACCACAGGGAGCCAGGACACAAGCCTATTCCAACCTGG
GTACAGCTCCTCCCTTCCCCACAGGCTCGGAACCTAGCTGCAAGGCCTGCGGGTCCATTTGCAAGC
ACAACCCGGAAGCAGACCTGCTGGACTGTAAGAAAACTTCTGCATGACTTGTTGAGCCAAGAGGGGA
ATGGGCCACGCCCTGCCTTCTGCTGCTACGGTCCGAGCCACGGCCTCCAGCGGGAGGAGCTCATGAA
GATGAAGGTGAAGGACCTGAGGGACTATCTCAGCCTCCAGCAGATCTCTACGGAAATGTGCCGGGAGAAA
GAGGAGCTGGTGTTCCTGGTGCTTGCCAGCAGCCTGTAATTTCTGAGGCGGACAGGACTCGTGTCCCC
ACTTGCCCCAGGCCTTCCTGAGCAGCAGGCCTTCTGACCCAGCCTCAAACCAGCACAGTGCTCCTAC
CTCACCTGGCCTCCCTTCTCACCTGCACAAGTCACCTCTGTCCCTTAGCCCAGGATCAGGAAACTCAG
CAGGCCGTTGGCCATGTGTCTCAGGACCAGGAGGCCATCTTCCGGAGAGCAGCCAGAGTACCTA
CTGAGGATGAGACCCAGTCCGTTGACTCAGAGGACAGCTTCGTCAGGCCGAGGGCCTCGCTGTCTGA
CCTGACCCACCTGGAGGACATTAAGGCCTGACCGTACGGCAGCTGAAGGAGATCCTGGCTCGTAACCTT
GTCAACTATAAGGGCTGCTGCGAGAAGTGGAGCTGATGGAGAGGTGACTCGGCTGACAAGGATCAGA
AAGGACTCCAGCACCTGGTGTCTGGTAATGAAGACCAAAACGGGGGAGCAGTGCCTTCTGGCCTGGAGGA
GAACCTGTGTAAGATTTGCATGGACTCACCCATTGACTGTGTTCTGCTGGAGTGTGGCCACATGGTGACC
TGTACCAAGTGTGGCAAACGCATGAACGAATGTCTATCTGCCGGCAGTATGTGATCAGAGCAGTGCACG
TCTCCGGTCTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001164570
Insert Size:	1134 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001164570.1</u> , <u>NP_001158042.1</u>
RefSeq Size:	3592 bp
RefSeq ORF:	1134 bp
Locus ID:	67338
UniProt ID:	<u>Q6ZQM0</u>
Cytogenetics:	11 C

Gene Summary:

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]

Transcript Variant: This variant (4) differs in the 5' UTR and 5' coding region, and uses an alternate translational start codon, compared to variant 1. The resulting isoform (4) is longer at the N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.