

Product datasheet for **MC214453**

Rnf152 (NM_001160368) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf152 (NM_001160368) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnf152
Synonyms: A930029B02Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214453 representing NM_001160368
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGACTCTCCAGGATCCCTGTTGGAATGTCAGATCTGTTTTAATTATTACAGCCCCGACGAA
GGCCCAAGTTGTTGGATTGCAAGCACACCTGCTGCTCGGTGTGCCTCCAGCAGATGAGGACCAGCCAGAA
GGACGTAAGGTGCCCTGGTGGCGTGGCATCACAAATTGCCCGGGCTTCTCTGTATCACAAGTCC
GATGACCCAGAGGTCTTGGCAGTCATTGCCATACCACACTTCCGAGCATACCCAGTCTTCATCAAAC
TTCCAAGCAATGGGTGCTACATGCTGCCCTGCCATCTCTAAGGAGCGTACACTCCTGCCGGGAGACAT
GGGCTGCCGCTGCTGCCAGGGAGCCAGCAGAAGTCTCTACCGTGGTGACCATCCCTGCAGAACAGCAG
CCCCTGCAGGGTGGAGCTCCCCGGAGGCTGTGGAGGAGGAGCCTGACAGAAGGGGCGTGGTGAAGAGCT
CCACATGGTCTGGCGTGTCACTGTATCCTGGTGGCCTGTGTTTGGTCTTCTCCTGGCATTGTGCT
ACACAACATGCTCTGCATCTCTAAGCGCTTCACTGTGATATCCTGTGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001160368
Insert Size: 612 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).



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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_001160368.1, NP_001153840.1</u>
RefSeq Size:	8406 bp
RefSeq ORF:	612 bp
Locus ID:	320311
UniProt ID:	<u>Q8BG47</u>
Cytogenetics:	1 E2.1
Gene Summary:	<p>E3 ubiquitin-protein ligase mediating 'Lys-63'-linked polyubiquitination of RRAGA in response to amino acid starvation. Thereby, regulates mTORC1 signaling and plays a role in the cellular response to amino acid availability (PubMed:25936802). Also mediates 'Lys-48'-linked polyubiquitination of target proteins and their subsequent targeting to the proteasome for degradation. Induces apoptosis when overexpressed (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein. 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.</p>