

Product datasheet for MC205731

Rnf5 (NM_019403) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf5 (NM_019403) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnf5
Synonyms: 2410131O05Rik; AA407576; NG2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC016449
 GTGTGCCTGTGTGTGTGCCCTGTGTTAGTGTATATGTGTGTGTGCCCTGGGGTACTGAGGGCTACGTGGG
 GGCGAAGCAGAATTGCCATGGCAGCAGCGGAGGAAGAAGACGGGGGCCCGAAGGGCCAAATCGCGAGC
 GGGCGGGGCGAGCGCGACCTTCGAATGTAATATATGTCTGGAGACAGCTCGCGAAGCTGTGGTCAGCGT
 GTGTGGCCACCTGTATTGTTGGCCCTGTCTTACCAGTGGCTGGAGACCCGGCCAGACCGCAAGAATGC
 CCGGTGTGTAAGCTGGCATCAGCAGGGAGAAGGTCGTCCTCTTTATGGGCGAGGGAGCCAGAAGCCAC
 AGGATCCCAGATTGAAACTCCACCCCGCCCTCAGGGCCAGCGACCAGCTCCAGAGAGCAGAGGGGGTT
 CCAGCCATTTGGTGATGCCGGGGATTCCACTTCTCCTTTGGTGTGGTGCCTTCCCTTTGGCTTTTTTC
 ACCACCGTGTTCATGCCATGAACCTTTCAGAAGAGGCGCAGGTGTGGATCTGGACAGGGTCACCCAG
 CCTCCAGCTGGCAAGATTCCCTATTCCTGTTCCCTCGCCATCTTTTTCTTTTTCTGGCTGCTCAGTATTTG
 AGCTCTGTCTCCTCCCTGCCACCTCCAGCTAGAGGAGAATCAGTATTGGGAGTCTGTGCTGGCCTTTC
 CTGCTTTTGGACCACCCCTTACTTCCATGACCCATCTCTGTCTGTGAGGCCTCTCTTTGGGAGGGC
 ATGGCGAGGAGTGACCAGTCTGCTTAAGATGGGAGTGCCTGTGCTGTGTACTGTGGCCAGTAGCACA
 GACACTGTGAGCCTGGAGGACGGACAGACAGAGGTGTCAGTCTCCCAATCCTTTGCTTTCCCCAG
 ATTTCTTGATTTGGTGTAAAGGTGGGCTCTCCCAACTCCTCTACTTGACTTAATTTAATTTTCTCT
 ACCCACTGTCTAATGAATTTGACTCTTGAAGTGTCTTTCCATCCCTCACTACCTCCTTAATTAC
 AAATTCAAATAATAATAATAATAAAAAATAAAATAAAGGTGAAACACGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019403

Insert Size: 543 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>BC016449</u> , <u>AAH16449</u>
RefSeq Size:	1119 bp
RefSeq ORF:	543 bp
Locus ID:	54197
UniProt ID:	<u>Q35445</u>
Cytogenetics:	17 18.18 cM
Gene Summary:	Has E2-dependent E3 ubiquitin-protein ligase activity. May function together with E2 ubiquitin-conjugating enzymes UBE2D1/UBCH5A and UBE2D2/UBC4. Mediates ubiquitination of PXN/paxillin. May be involved in regulation of cell motility and localization of PXN/paxillin. Mediates the 'Lys-63'-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD; the ubiquitination appears to involve E2 ubiquitin-conjugating enzyme UBE2N. Mediates the 'Lys-48'-linked polyubiquitination of TMEM173 at 'Lys-150 'leading to its proteasomal degradation; the ubiquitination occurs in mitochondria after viral transfection and regulates antiviral responses.[UniProtKB/Swiss-Prot Function]