

Product datasheet for **MC222034**

Rnf216 (NM_080561) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf216 (NM_080561) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf216
Synonyms:	2810055G22Rik; AI647468; AU019462; C86502; F830018F18Rik; TRIAD3; Ubce7ip1; UIP83
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222034 representing NM_080561
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGGAAACAACAAGAGGAGGTCACTTGAACAACCTTCCCTGCCACCGGGAAAGGAAT
 GGATGGCTGTGAGAGAGGGCCCATCACCATATCTGACTCCTCTGATGAGGAAGGGATTCCAATGCTGGT
 TACCCAGCTACAGAGCAACAGGAAGACGACCTGGATGATGATGTCATCCTGACAGAAGATGATTCTGAG
 GATGAATATGGTGGATTCTGGATCTTGAGAGTGGCAAAAAGAGGGAGAAGCCAAACCTGGACCAAGCA
 GTAAGCAGACAGCAGACGATATTGTCAACCCAGATTGGAGCAGAAAGTCATTATATTGGGAGAAAATGG
 TCTTCTTTTCCCAGAAAGTGAGCCTTTGGAAGTTCAGAACCAATCATCCGAAGACTCAGAGACAGAGCTC
 TTATCAAATCCTGGAGAGCCAGCTGCCTCAGTAGATGACCAGCTAATTGGAGAAGAGTACTGGCTTGACC
 ATCCATACTTCCAGGCTCCGAATCCACAGCCTCAGGAAAGAACAACAGGTTGTGCCCAAGAGCGACA
 TTCTGAATCAGAAATGGGCCAATGTTTTCCGCCATGATTTCCAGAGCCAGCTTTTCCAAGGCCAGAA
 CCCAGCAGGAGGGGATTCCAGGCCCTGCTTCCACAGCCAGCCATCCTCTAGGAGAGCTTGAAGACC
 AGCAGTTAGCAATTGATGAAGACCTGGGCCAGCCTTCCCCTGTGAGGACCTCAGGAGGCCAATTTGGC
 AAACATGTGGGAACAAGAAGCTGCTGAGGTAGATCAAGACCTCATTCCACTGTTAGTGAAAGAAACGGAA
 GCAAGATTTCCAGATGTAGCAAGTGGATATGTTGAAGAAATAATTCATTTGAAAAATTACTATGATTTGA
 ATGTACTTTGTAATTTCTTCTGGAAAACCCAGATTATCCAAAGAGAGAAGACCGGCTTATTATCCACCC
 CAGCAGCAGCCTGCTTGCCAGCCAGGATGACGCGAAGTGCCTAAAATAGACTTTTTTACTATTTCCAAA
 TTGACTCCACTTGACCAGCGCTGCTTCAACAAGTGCAGCTCAAAAGGACACTATGCAATCACCCGAAAGCCTTTTC
 GCAGCCATTAAGAAATGGCAGGAGTTGTACCTGAAACCAAGTGGAAAACGGAAAAAGAGGAAAGAAATG
 AATCAGTATTCTTTCATAGATTTCAAGTTTGAACAAGGAAACATAAAAAATAGAAAAGAGGATGTTCTTTC
 TGGAAAACAAGCGTCGACACTGTAGTACTATGACCATCAGGCCCTCCTTCCAGCTGTGAAAACAGGAGCA
 GGAATTCTATGAGCAGAAAATTAAGAGATGGCAGAGCATGAAGACTTCTTGCTCGCCCTGCAGATGAAT
 GAAGAACAGTATCAAAGGATGGCCAGCTGATTGAATGCCGCTGTTGCTATGGGGAGTTTCCATTTGAGG
 AGCTGACACAATGCGCCGATGCTCACTTGTCTGCAAAGAATGTCTCATCAGATATGCCAGGAGGCAGT
 GTTTGGATCTGGAAGTCAAGACTCAGTGCATGGAAGGCAGCTGCACGTGCTCCTTCCCAACAGTGAG
 CTGGAGAAGTGCTCCCCAGACCATTCTGTACAATACTATGAACGGAAAGCTGAGGAAGAAGTCGCTG
 CAGCCTATGCTGATGAGCTTGTCCGGTGCCTCCTGCAGCTTCCCTGCTCTGTTGGACAGCGATGTGAA
 GAGGTTACAGTGCCTCAACCCACGCTGCCGAAAGGAGACCTGTAGGAAGTGTGAGGGACTCTGAAAAGAA
 CACAACGGCCTCACCTGTGAAGAGCTGGCAGAAAAGGATGACATCAAGTACCGGACATCCATTGAAGAAA
 AAATGACTGCTGCTCGGATTAGAAAATGTCAAGTGTGGAACCTGGCCTCATCAAGTCTGAAGGCTGCAA
 CCGCATGTCTTGGCGCTGTTGGTCCAGATGTGCTACCTCTGTCGAGTTTCTATCAATGGCTATGACCAT
 TTCTGCCAGCATCCTCGCTTCCAGGAGCCCCTTGCCAAGAAATGTTCCAGGTGCTCCCTGTGGACCGACC
 CCACTGAAGATGATGAAAAGCTGATTGAGGAAATCCAAAAGGAGGCCGAGGAGGAACAGAAGAGAAAAGAA
 TGGAGAGAACACCTTCAAACGCATCGGGCCCCACTGGAGAAGCCAGCTGAGAAGGTGCAGCGTGTGGAA
 GCCCTGCCGCGGCTGTCCACAGAACCTGCATCCTCAGATGCCGCCCTATGCCTTTGTTACCCACCCCT
 TCCCCCTGCCACCTGTGCGGCCGTGTTCAACAACCTCCCATCAACATGGGTCCTGTGCCCGCTCCCTA
 TGTCCCCCTCTGCCAACGTGCGTGTCAACTATGACTTTGGCCACATGCACGTGCCCTGGAGCACAAC
 CTGCCATGCACTTTGGCCCCAACACGGCATCGCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_080561
Insert Size: 2562 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:	NM_080561.4 , NP_542128.2
RefSeq Size:	4521 bp
RefSeq ORF:	2562 bp
Locus ID:	108086
UniProt ID:	P58283
Cytogenetics:	5 G2
Gene Summary:	<p>Acts as an E3 ubiquitin ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Promotes degradation of TRAF3, TLR4 and TLR9. Contributes to the regulation of antiviral responses. Down-regulates activation of NF-kappa-B, IRF3 activation and IFNB production. Promotes TNF and RIP mediated apoptosis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (A) uses an alternate in-frame splice junction compared to variant B. The resulting isoform (A) has the same N- and C-termini but is shorter compared to isoform B.</p>