

## Product datasheet for **MC200181**

### **Rnf34 (NM\_030564) Mouse Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Rnf34 (NM_030564) Mouse Untagged Clone     |
| Tag:                      | Tag Free                                   |
| Symbol:                   | Rnf34                                      |
| Synonyms:                 | AW061037; AW536122; BC004042; C88279; RIFF |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | PCMV6-Kan/Neo (PCMV6KN)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**Fully Sequenced ORF:** >BC004042 sequence for NM\_030564  
 GCGCCGCATTCGCCGCTTAGAAGGAAGGAAGATCCGTTGTGTGAGGAGGCTGCTATGGTGTGAGTTCC  
 CCGGTAGAGCCGACCGAGCCGAGGCGGTGCGGCCATGAAGGCGGGTGTACTTCTATGTGGCTTCATG  
 CTGTGGCTGTGAATGAAGTATGGAAGTGGAGCTGTCCGAGGCCAGCAGGCGGGATTCCGGGAAGC  
 ACTGGCCATTGAGATTTACACCGAGCTGTGACTTCCCCACCTACCCACCAGCAGCTACTGAAGACCCA  
 ATATAGTTTGAAAGCCTGTGGGCTTTCGTTTTTCAGTCTTTAGAAAGAAGCATGTCTGTGTGACTGCAA  
 GAAGGATTTCTGCTCCCTCTGCTCAGTCTCCCAAGAAAACCTCCGCAGATGTTCTACTTGTACCTACTA  
 CAAGAGACGGCCTTCCAGCGCCCTCAGTTGATGCGACTAAAAGTGAAGGACCTGCGGCAGTATCTCCTCC  
 TCAGAAACATAACCAACCGACACTTGTCTGTGAGAAGGAAGACTTGGTGGATCTAGTACTGTGCCACCGTGG  
 ACTAGGCTCAGGGGATGACCTGGACTCAAGTAGCCTGAATTCCTCAAGTCCCAGACTTCTAGTTTTTTT  
 ACACAGTCCCTCTTTCAAATTACACTCCTCCCTCTGCTACTGTGTCTCCTTCCAGGGAGAGCTCATGG  
 ACAGAGATGGCGCCTTCCAGATCAGAAGTCTGGCACAGGTACAAAGTAAAATAGCTTACAGAAACACAGA  
 TGATGATGACGACGACGATGATGATGACGACGATGATGAAGATGACGACGACGAACAAGAGGAGGAGGAA  
 CAGAACCCGGGGCTCTCTAAAAAGAAAGCAAGAGCTTCCCTGTCTGACCTCTCAAGCCTTGAAGAGGTAG  
 AAGGGATGAGTGTGCCAGCTGAAGGAGATCCTGGCTCGGAATTTGTCAACTATTCTGGCTGTTGTGA  
 AAAATGGGAGCTGGTAGAGAAAAGTCAACCGGCTGTACAAAGAGAATGAAGAAAACAAAAGTCATATGGT  
 GAGCGGATGCAACTTCAGGATGAGGAAGATGACAGCCTGTGCCGAATCTGCATGGATGCGGTCAATTGACT  
 GTGTCTGCTGGAGTGGGGCACATGGTCACTGCACCAAGTGTGGCAAGCGAATGAGTGTGCTCCAT  
 CTGCAGGCAGTATGTGGTTCGAGCTGTGCATGTTTTAAGTCAAGAAATGAGGGCCCTGCAGTAGGACA  
 CTCACATGACATTACCCAAACATTTTCACTGACTAGAGGGACTGAAACTTCTTGTCTAAGGCAAAAAG  
 CTATTTTCAAAAATATTTTCACTAAGTGGGACAGAAAGTTCAACCTAAGTGCAGAAACCTGGCC  
 AGTGCCATGACCCATCTCCCTGTGGACACAGGCTTCCAGGTTCTGCTGGGTTTTGCTCCCTGAGC  
 ACTAGCTGAAGCCAAACTGTTTCACTGTTGGGTGTGGAAGCCACTACTCGCCTGTCTTCCCTTACTTACC  
 TTCATCCTGTGTTTGTCTCTTTGAAGTGAAGTCACTGTGATGACTGGTGTGAGTGTGGACTATCCTGAGCC  
 GTAAGTGTCTGAATGTTCACTCGATTAGCCATGTATATTTTAAATGCTAATATTTAATGAATGTAAGTT  
 TCAACATTGTTGCTATTTCTGCATTTAAACATAATTGGGAGACAAGTACATTCTACAGTCAACTGCCAG  
 GGCCTTAGACTAAGTATGCCATTTTTGTTTCAAGTACAGCTTTTAAAAGCAAGGGCTGCATCTAGCTTCT  
 TATCTTAGAAGTATATGTGTGCTAAATCTTTATTAACATGTAATCAATTTACAATGTTTTGTATAGTGA  
 AGGTGATTTTTAGTTCTACCTGCTAGTAAATTTCAACTTAGGAATAAAATTAATGAAAAGGCAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_030564

**Insert Size:** 1131 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:**
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:       | <a href="#">BC004042</a> , <a href="#">AAH04042</a>  |
| RefSeq Size:  | 1980 bp  |
| RefSeq ORF:   | 1131 bp  |
| Locus ID:     | 80751  |
| UniProt ID:   | <a href="#">Q99KR6</a>   |
| Cytogenetics: | 5 F  |
| Gene Summary: | <p>E3 ubiquitin-protein ligase that regulates several biological processes through the ubiquitin-mediated proteasomal degradation of various target proteins. Ubiquitinates the caspases CASP8 and CASP10, promoting their proteasomal degradation, to negatively regulate cell death downstream of death domain receptors in the extrinsic pathway of apoptosis. May mediate 'Lys-48'-linked polyubiquitination of RIPK1 and its subsequent proteasomal degradation thereby indirectly regulating the tumor necrosis factor-mediated signaling pathway. 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. Mediates PPARGC1A proteasomal degradation probably through ubiquitination thereby indirectly regulating the metabolism of brown fat cells (PubMed:22064484). Possibly involved in innate immunity, through 'Lys-48'-linked polyubiquitination of NOD1 and its subsequent proteasomal degradation.[UniProtKB/Swiss-Prot Function]</p> |