

## Product datasheet for **MC220269**

### **Rnf6 (NM\_028774) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnf6 (NM_028774) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf6
Synonyms:	1200013I08Rik; 5730419H05Rik; AA537053
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220269 representing NM\_028774  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATCCGTCTAGATCTAGATCAGGTGGGAGTGGAGAAGAGAGCTCATTCAAGAAAATGAGAGAAGT  
 GGCAGCAAGAACGTCTCCACAGAGAAGAAGCCTATTATCAGTTTATTAATGAGCTCAGTATGAAGATTA  
 TCGGCTAATGAGAGACCATAATCTTTTAGGCACCCCTGGAGAAAATACATCAGAGGAGCTGCAGCAGCGC  
 TTAGAGAGAGCAAAGGAACAGCTGGCATCTCAGCCTGGCTCTGACAGCGCGCAAGTGATGGAGACTCAG  
 AAAGCCTTAGAGCACATTCAGATGAGGACTCTCTGCTGCGATGGCTGAATACCTTTGCGCGCACTGGGAA  
 TGTGACTCGAAGCGGACAGAATGGGAACAAAGCTGGAGGGCCGTGAGTCGAACAAACCCGAACAGTGGC  
 GAGTTCGGGTTTAGCCTGGAAATCCACATAAACCCCTGACAACAGAGGTTCTGAAATGCATGGAGAGGACT  
 CGACGGACATCCCTCTGTGAGGTGTTAACAGAGAGCATAGGCAGCAAAGACCATCGAGTCTGTGGCTAG  
 GCGAACCAAGAAGCCAGACCTCCATGAGCTCCAGTGGTCTAGGGCAGGCGTGGTCCGAGGAGCCAGGGT  
 TCTGTGCAAGGGTCATTTGCAACTCTGGGAAGGTTAAGGAATGGAATTGGAGTAGCCCTTGGTGTCCCA  
 GAGTTAGTGCCCCCTCGACTAATGTTATTAATCCACACCAACCAAGTCAGATGGTAGTACTCTCAGGCA  
 AGGTGGACGGCAGCGTTTGGAGCAGCACATATTTGGGAAAACGGGGCTAGAAGTAATGTTACAGTGAGG  
 AACACAAACCAAGATTAGAGCCAATAAGATTACGTCCTGCTTTTCAAGTAGTCGAAGCCGGTCCCCCATT  
 AGAGACAGAAATGGTACTGTTTCATATAATCCCAAAGGCAGGGTAGACCAGTACAGCAAACGGGTAGAAA  
 CAGGTCTGTTAGGCACAGAGGTGTAACGCGGGTCTTTTAGAACAAGGTAGAGAACACAGAGGCACTGAT  
 TACACCCCGCTGTCCAACCTCAAGACTTGTGTCAAGAATAACAGTAGAAGAGGGAGAGTCTAGCAGGTCT  
 CAGCTGCCACCCAGCGTCATCCAGCAATCACACTGGACCTGCAAGTCAGGAGGATTCGGCCTGGAGAAAC  
 TAGAGATAGGGATAGCATTGCAAAATAGAACCCGATCTAGGGCGGGCTGGCAGAAAAGTACGGTTGAGAGC  
 ACCAGTGGGGGCTTCCACAGAATCTCTCACTTAGAGCGCTCAGGTGTCCGAACCTACGTGAGCACCA  
 TCACAGTTCCTCTTCGAGGATTTCTGAGAATGACGTGGTTCGAGCCATCCTCCGTGGCTCTTCGGTCAAT  
 TTTAAGGCAGATCATGACTGGGTTTGGAGAGCTGAGTTCTCTAATGGAGGTGGAGCCTGCGTCAGAGAAT  
 CAAAGCAATGGCCAACGTTTACCAGAGGTGTACCTAGAAGTGAATGGAGATGCAGCCGATGACAGTG  
 GTCAGCATGGAAGAGCGTCTCACAGGCCAGTACGGCCAGGACGGTGTGAAATGCTAGCTGTGAGGGA  
 GCCCGCCCGCCAGGCTCGCCCCAGTGGCAGTAGAAGTAGAAGGCAGTTAGGAAGGGCGGACAGCGTA  
 GTTGAGGCTGGAACATTACCCATTCTGCGCCTTGCTCACTTCTTCTACTGAATGAAGGCGATGATGATC  
 CAATTCGTGGTTTAAACAAAGAGCAGATTGACAATCTTTCTACCAGGAGTTATGAACAAGACGGGTTGA  
 CAGTGAGTTAGGTAAGGTGTGTAGCGTGTGCATCAGTACTACGTGGCTGGGAACAGCTCCGGCAGCTG  
 CCTTGTCTGCACGAGTTTACATTCAGTGTATTGATCGCTGGCTGTCCGAGAAGTGCACCTGCCCGCTCT  
 GTCGGCGGCTGTCTTAGAATTCGGAGCCACAAGCAGTGGG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_028774
- Insert Size:** 2004 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:** [NM\\_028774.3](#), [NP\\_083050.1](#)

**RefSeq Size:** 3360 bp

**RefSeq ORF:** 2004 bp

**Locus ID:** 74132

**UniProt ID:** [Q9DBU5](#)

**Cytogenetics:** 5 G3

**Gene Summary:** E3 ubiquitin-protein ligase mediating 'Lys-48'-linked polyubiquitination of LIMK1 and its subsequent targeting to the proteasome for degradation. Negatively regulates axonal outgrowth through regulation of the LIMK1 turnover. Mediates 'Lys-6' and 'Lys-27'-linked polyubiquitination of AR/androgen receptor thereby modulating its transcriptional activity. May also bind DNA and function as a transcriptional regulator.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the predominant isoform (1).