

## Product datasheet for **MC202271**

### **Rnf114 (NM\_030743) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnf114 (NM_030743) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf114
Synonyms:	1110008J21Rik; AI225886; AW549494; Zfp228; Zfp313; Znf228
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC054416 sequence for NM\_030743  
 CTCAGCGGCAAGATGGCGGCGGCGCAGCCGGAGTCCCAGATGGAGCCGCGCAGTCGGCGAAGCCGGCGT  
 CCGAGACGGACCCCTCAGCCGCTTTACGTGTCCCGTGTGCCTGGAAATTCGAGAAGCCGGTGCAGGT  
 GCCCTGCGGACACGTCTTTTGTCTGCATGCCTGCAGGAATGTCTGAAGCCGAAGAAACCTGTCTGTGGG  
 GTGTGTCGACGCTCTGGCACCTGGCGTCCGAGCTGTGGAGCTCGAGCGGCAGATCGAGAGCATAGAGA  
 CTTCTTGCCATGGCTGCCGTAAGAATTTTCATCCTATCTAAGATCCGGGCCATGTGACGTCATGTTCCAA  
 ATACCAGAATTACATCATGGAAGGTGTAAGGCCACCACCAAGGATGCATCCCTTCAGCCGAGAAACATC  
 CCAAACCGATACACCTTTCTTGTCTTACTGTCCCGAGAAGAATTTGATCAGGAAGGACTCGTGGAGC  
 ACTGCAAACCTCACTCACAGCACCGATACCAAGTCTGTGGTTTGTCCCATCTGTGCCTCGATGCCCTGGG  
 AGACCCAGCTACCGCAGTGCCAACTTCATGGAGCATATCCAACGCCGTACCCGCTTTTCTACGACACT  
 TTTGTGGATTACGATGTTGATGAAGATGACATGATAAACCAGGTGTTGCAGCGCTCCATCATTGACCAAT  
 GAACCGGGTCTGGCTGTCCACCTCACTCTAGAGCTTCCATTGTGCATTAGGTGTGAGCCCTTGACTCTT  
 GCACCTCATATGTAATGCAGATCTGGAATTGAGCCATGGCACCAGACAGGGTCACTTCTCAAGGGTGAT  
 GGGGCCCTAGGGCAGAGAGACCCTGTTTCTCTGGGCTCTTGCCAGCATTGTCTTCCCCTGGTGACC  
 TTGTTTGTCCATGGTCTGCTTTACCACACCTCAGCTACTGCCTGCTTTAAGAAGAGCCAGCTTCTTC  
 TCCTACAGGATCTAATCGCATTATCCTGTTGCCAGTGTTCATCTCTCAGGCTCTTACGCCAGCCAG  
 GACCTTCCCTGGGCTGTGAATAGCAATAAAGCAGGGACTCCTTTCTTGGCCCTGAGGTGCCTTGGTT  
 CTGCAGTTACTGGGCCAGGGCTCTGCTCCTCCTCCTGGGTGACATCGCAGTCTGATGGGGGAAGTTT  
 TGGTTACTGCTGTTTCCCTACACCTGCACATCTGTACACCTGAGGGCTTAAATGCCTGATGGTGCCTTT  
 TAGGATAAGGTATCACCATAGAATTGTAGTGAAATGTTGGGTAGCAAAGATGGGGTGTGTTTCATGTGTA  
 AGTAGGGAGAAGGTGTAGGGTGTGTGGCTTTTGGTTTACTTTGATGCTGATGAGTGTCTCAGGTGGCT  
 GGGTCGTGTGCCCTCTTATTGAGTATATGCTGACATCTTGTCTGAAGAGTGTGGAGGGAGGCACCG  
 ACTGTGGGTGCTGCTTGGTAATTGATGAGCCTGAGCAGTATTGCTGCCTCCTTGTGCAAGTATGTTT  
 AAACCTGCCTTTTGTGTGGAGGAGTGGTAAAGCCAGGGTCATACCTGGGAAGTTAAAGTTAGGCCCC  
 TGCACAGTCGAGGAAGGCGGTCTGCTGAGGCTTTCTTGTGACGACAGCTATAACAGCTGGAATGCAGTCA  
 TGTTACAGAGCACAAGGAAGAGCACCTCCAGTCAGTTCACAGGACAGACCCTCTACCAGGCTGGGGCT  
 TGGGAGTGAGTCTTTTCTGGTCATGGGGCTCTGGTCCATCTGAGACTGCATGTAACATTGACTTGTG  
 GCACCAGCCTCCACAGTGGTGCCTCTGCCTGCCAGGGCCAAGCCAGCCAGATGCCAGCAGAGTCGGAC  
 AGGATCATTTTCCCAACGTTACTGCTTCTTCACTGTACCCTCTGGAAAGGTTTGTCTCAGGAGATGTGTG  
 AGGGAGGTTCAACAAGACCTGCCCGAGCAACTGGGAAAGGCACAGGTGTGCCACAGTGCAGCAGGGACC  
 TCTTGTCTTTCATCACACTCGCTGTTTCTAATATGACTTCCAGAAAGTGTGGTTATGTTCTGTCTATA  
 GAAAGTGAATATAAATAAATTTTATAATTTATCCAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_030743

**Insert Size:** 690 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:** [BC054416](#), [AAH54416](#)

**RefSeq Size:** 2150 bp

**RefSeq ORF:** 690 bp

**Locus ID:** 81018

**UniProt ID:** [Q9ET26](#)

**Cytogenetics:** 2 H3

**Gene Summary:** E3 ubiquitin-protein ligase promoting the ubiquitination and degradation of the CDK inhibitor CDKN1A and probably also CDKN1B and CDKN1C. These activities stimulate cell cycle's G1-to-S phase transition and suppress cellular senescence. May play a role in spermatogenesis. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 3 encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.