

## Product datasheet for **MC220426**

### **Rnf103 (NM\_009543) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnf103 (NM_009543) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf103
Synonyms:	AW146237; AW212918; kf-1; Zfp10; Zfp103
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220426 representing NM\_009543  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTGAAGCTGTTTTCTTCTGCTCCTGTATTTCTGCTCCTGTTCTGCTCCTGGCCAGGTTTTTTGAGG  
 CCATTGTGTGGTACGAGACTGGCATCTTTGCTACTCAGCTGGTGGATCCGGTGGCATTGAGCTTCAAGAA  
 GCTGAAGACCATTCTGGAGTGTGAGGGCTGGGCTACTCCGGGCTGCCGAGAAGAAAGATGTTCCGGAG  
 CTGGTGGAGAAGTCAGGTGACTTGTGGAAGGTGAACTCTATTCTGCTCTAAGGAAGAAGAGGCATCTG  
 AGTCTGTTTCTAGTACCAATTTCAAGTGGTAAAATGCATTTCTATGAGCTTGTGGAAGACACAAAAGATGG  
 CATCTGGCTGGTTCAGGTATAGCAAATGACAGAAGTCCCTTGGTGGTAAAATCCACTGGGAGAAAATG  
 GTGAAAAAAGTGTCAAGATTTGGAATACGGACAGGCACCTTCACTGTTCCAGTATCCAGGACTGCA  
 GAAGGAGAGGCTGGTGGTCCACACTCATGTCTGTGCCACAAACAAGTACATCTAAAGGGAAAGT  
 CATGCTTAAAGAGTACAGTGGACGAAGATTGAAGTAGAGCACATTTTTAAGTGGATAACTGCCCATGCA  
 GCTTCTCGGATCAAAACTATATAATGTGGAGCATTGAAGGAAGAATGGAATAAAAGTATCAACT  
 GGGTAAAAATATACCTATTTGCAAACCTTGACCAACCGCCAGCTTTCTTCTCTGCATTAAGTATAAAAT  
 TACTGGAAGAGTTGAGTTATTTTTGTTAATGTGGAAAATTTGGAACAACAAGAGTTATATGACAGATATT  
 GGTATTTATAACATGCCATCATACATACTTAGAACTCCTGAAGGAATTTATAGATACGGAACCACACAG  
 GTGAATTTATATCCCTTCAGGCCATGGATTCATTTCTGCGCTCATTACAACCTGAAGTAAATGATCTGTT  
 TGTTTTGAGTTTGGTTCTAGTTAATCTTATGGCTTGGATGGACTATTTATTACACAAGGAGCAACCATC  
 AAGCGATTTGTGGTCTCATAAGCACTTAGGGACATAACAATCCCTATTAATTTCTTGGCTACCTG  
 GTTGGGCTTTCTACAGCTCCCTACTTAGATAGCTTTTATGACTATAGTTTAAAGATTGCTGCGGTATTC  
 TAATAACAACCACACTGGCTTCGTGGGTAAGGGCAGACTGGATGTTTTACACTTCACACCCAGCCCTGTTT  
 CTCAGTACATACCTTGGACATGGTTTGGTAATTGATTACTTTGAGAAGAAGAGACGTCGACGCAACAATG  
 ATGAAGTTAATGCGAATAATTTAGAATGGTTATCAAGTCTGTGGGACTGGTACACCAGCTACCTCTTCCA  
 CCCGATTGCTTCTTTTCCAGAACTTCTGTAGACTCTGATTGGGACGAAGACCCTGACTTATTCTTGGAA  
 CGGTTAGCTTTCCCTGACCTTTGGCTTCCACCTCTGATACCAACTGATTATTTAAAACTTACCAATGT  
 GCGATTTAAATGTCTTGGGTTTCACTGTAAGAAGAAATGTCAGAGAGTTCTCAAGACTGAAAATGA  
 CTCGGATAGTGACAACATGGACACTTTTAGTAGTAGTAAGGATATATTTGAAGATAAACAAGCGTTGTT  
 CACAGTCTCCAGGAAGAACAAGTCACTGTGACTGAGGCTTGTTCATGTGCCAATAAATGTGAGAGCA  
 GCCCATGTGAAAGGAAGAGGAGTTCGATGGATCACATAACTGATGAAGATATGGAACCGGACTGGTT  
 AACTTGGCCTGCGGGTACGCTGCACTGTACTGAATGTGTTGTTTGCCTTGAGAATTTTAAAATGGATGT  
 TTGCTAATGGGGTTGCCTTGTGGTCACTGTTTACCAGAATTGCATTGTTATGTGGTTGGCTGGGGCC  
 GACTGTTGCCCTGTTTGTGCTTGGCCTTCATATAAGAAAAAGCAGCCATATGCACAACAACAGCCGTT  
 GTCAAATGATGTTCCATCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009543  
**Insert Size:** 2052 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_009543.3, NP_033569.2</u>
<b>RefSeq Size:</b>	3296 bp
<b>RefSeq ORF:</b>	2052 bp
<b>Locus ID:</b>	22644
<b>UniProt ID:</b>	<u>Q9R1W3</u>
<b>Cytogenetics:</b>	6 32.16 cM
<b>Gene Summary:</b>	<p>This gene encodes a member of the RING finger family of E3 ubiquitin-protein ligases. These proteins catalyze the transfer of the ubiquitin protein from a ubiquitin E2 enzyme to a protein substrate. Homozygous knockout mice for this gene exhibit enhanced anxiety-like behavior. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>