

## Product datasheet for **MR221153**

### Rnf170 (NM\_029965) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf170 (NM\_029965) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rnf170  
**Synonyms:** 6720407G21Rik; AI481227  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR221153 representing NM\_029965  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAAAGATATTGGCGTTTCCAAGACAACAAGATACAAGATATATGCTTTGGAGTCCTAGGAGAATCTT  
GGATTCAAAGACCTGTAATGGCCAGGTAACAGTGAAGGTCAGAGTTGCAGCAGGATGACTCATTAT  
AGAAGGAGTGAGCGACCAAGTCTTGTGGCTGTGGTGGTCAGCTTGGCGTTGACCGCTACTCTCCTGTAT  
GCCTTCTCAGAAATGTACAGCAGAACATCCATCCAGAAAACCAGGAGCTAGTCAGAGTGCTTCGAGAAC  
AATTCAAACAGAACAGGATGTCCCTGCTCCTGCCGACAGCAGTCTACACTGAAATGACTGTCCAAT  
CTGCTTACATCAAGCCTCCTTCTGTTGAAACAACTGTGGACATCTCTTTTGTGGTTCCTGCATAATT  
GCATACTGGCGATACGGGTCCTGGCTTGGTGAATCAGTTGTCCTATCTGTAGACAAACGGTAACCTCC  
TCCTAACAGTATTTGGTGAAGATGATCAATCTCAGGATGTTATAAGATTGCGTCAAGATGTTAATGATTA  
TAACCGGAGATTCAGGGCAGCCTAGATCTATTATGAAAGGATCATGGACCTCCCCACCTTGCTGAGA  
CATGCGTTCAGGGAAGTGTCTCAGTTGGGGCCCTCTTCTGGATGTTCCGCATTAGGATAATGCTTTGTT  
TGATGGGAGCTTTTTCTATTTAATACACCTCTAGATTTGTACCTGAAGCCTTGTGGAAATCTGGG  
CTTTCTAGATGATTTCTTTGTTATCTTTTGTGCTTATTTACATCTCCATTATGTATCGAGAAGTGATA  
ACCAAAGACTAACTAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_029965.3](#)

**RefSeq Size:** 4049 bp

**RefSeq ORF:** 861 bp

**Locus ID:** 77733

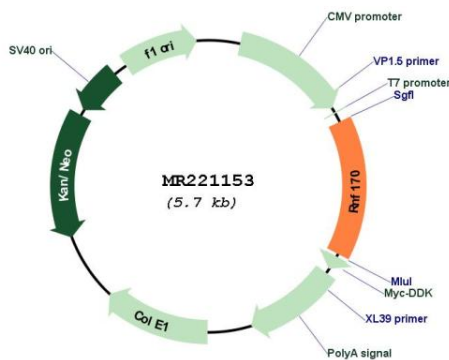
**UniProt ID:** [Q8CBG9](#)

**Cytogenetics:** 8 A2

**MW:** 33.4 kDa

**Gene Summary:** E3 ubiquitin-protein ligase that plays an essential role in stimulus-induced inositol 1,4,5-trisphosphate receptor type 1 (ITPR1) ubiquitination and degradation via the endoplasmic reticulum-associated degradation (ERAD) pathway. Also involved in ITPR1 turnover in resting cells.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR221153