

Product datasheet for **MC220271**

Rnf139 (NM_175226) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf139 (NM_175226) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf139
Synonyms:	4930555P18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220271 representing NM_175226
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGCGGTGGGGCCCCCGCAGCAGCAGGTGCGGATGGCCAGCAGCAGGTCTGGGCGGCGCTCGAAG
 TGGCGCTCCGGGTGCCCTGCCTCTACATCATCGACGCCATCTTCAACTCCTACTACGATTCCAGCCAAAG
 CCGGTTCTGCATCGGGCTTCAGATCTTTCTCCGGCTCCTTGGTATAGTTGTATCCAGTATTGTTCTGATC
 TTGTCACAGCGATCACTTTCAAGTTTTACATGTACAGCTCAGCCTTTCTATTAGCTGCAACTTCAGTGT
 TGGTGAATTACTATGCTGCTTGGCATTGACTTCTATGGTGCCTACAACACGTCAGCGTTTGAATCGA
 GTTGCTTCTCGAAAGGGCCCTCACTGTGGATGGCACTCATCGTTCTGCAGCTAACCTTTGAATTGGA
 TATGTCACATTACTGCAGATTCACTCCATCTATTACAGTTAATGATTTAAATATCTTGGTTCTATAA
 TTGGCTTAATCACAGAGCTGCCATTACACATCAGAGAGACAGTAGTGTCTATGTCGTCCTTGATTCTCAT
 ATTTAACACAGTCTTGTCTTGGCAGTGAACTTAAGTGGTTTTACTACTCTACTCGGTATGTGACTTGT
 TTAGTGAGGCATATGTACCGAATTTATGGATTACAGTTACTGATGGAGGACACATGGAAGAGGATTCCGT
 TCCCAGACATACTTCGGGTCTTCTGGCTAACAAGAATTACAGCTCAGGCTACAGTGTAAATGTACATTTT
 AAGGATGGCAAATGAACTGAGTCCTTCTTTATTTCTTGGGATGATTTCTGGGACGTCATTTGCAATCTA
 ATAATTAGTGGGTGTGATTCTACACTAACTGTACTAGGCATGAGTGTGTAATTTCTTCAATAGCCCAT
 ATTTGGGCCTTGGAAATTTGGCCTTTATGGATCAACTGAAGAAGATGACAGGGCGCTTGGCTTTGTAGC
 TCCTGTTTTATTTTTCATTTGGCTCTTCAGACTGGTTAAGTGGGCTAAGACCTGAAGAGAGACTTATT
 CGCTTAAGTAGAAACATGTGCCTTTTAACTGCAGTCTGCATTTTCCATAGACACTTTCCTGTGCTTTGTCTGC
 TATTAATGTCGCTCAGTGCCTCCCATGTGTCATTTCCATAGACACTTTCCTGTGCTTTGTCTCTGC
 TTGCCTGTTCACTTCCCTGTCTTACTCAGTTATGTCCTTTGGCATCACTATGCACTAAATACATGGCTG
 TTTGCAGTTACAGCCTTTTGTGTGGAACCTGCTTGAAGGTAATCGTCTCCCTCACTGTCTACACGCTGT
 TCATGATTGATGGCTACTATAACGTCCTCTGGGAAAAGCTTGTGACTATGTCTACTTTGTTGCTCCAC
 GGGCAATATTATCGAATTTATTTGGAGTAGTAATGTTTGGGAATGGGGCTATACCATGATGTTTGGAG
 TCAGGAAGTAAAATTCGGGCTTGTATGATGTGCCTACATGCATATTTAACATCTACTTACAAGTAAAAA
 ATGGCTGGAAGACATTTCATGAATCGTAGAACTGCTGTTAAGAAAATTAATTCACTTCTGAGATAAAAGG
 GAGCCACTTCAAGAAATAGATGATGTCTGTGCAATCTGCTATCATGAGTTCACAACATCTGCTCGTATA
 ACACCGTGAACCATTATTTCCATGCACCTGCCTTCGGAATGGCTGTACATTCAAGATACTTGTCCAA
 TGTGCCATCAGAAAGTGTACATCGAAGATGAGATCAAGGATAACTCAAATGCATCTAACAACAACCGATT
 TATTGCACCCAATGAAAATCAAACCCAGAGGAGGCTTTAAGAGAGGATGCTGCTGGATCTGACCGAGAA
 CTGAACGAGGATGACAGTACAGACTGTGATGATGATGCTCAAAGAGAAAGAAACGGGGGATTACAGCACA
 CAGGCGCAGCAGCAGCAGCCGAGAATTTAATGATGACTGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_175226
- Insert Size:** 2007 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_175226.4](#), [NP_780435.1](#)

RefSeq Size: 4348 bp

RefSeq ORF: 2007 bp

Locus ID: 75841

UniProt ID: [Q7TMV1](#)

Cytogenetics: 15 D1

Gene Summary: E3-ubiquitin ligase; acts as a negative regulator of the cell proliferation through mechanisms involving G2/M arrest and cell death. Required for MHC class I ubiquitination in cells expressing the cytomegalovirus protein US2 before dislocation from the endoplasmic reticulum (ER). Affects SREBP processing by hindering the SREBP/SCAP complex translocation from the ER to the Golgi, thereby reducing SREBF2 target gene expression. Required for INSIG1 ubiquitination. May be required for EIF3 complex ubiquitination. May function as a signaling receptor.[UniProtKB/Swiss-Prot Function]