

Product datasheet for **MR209908**

Rnf139 (NM_175226) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR209908 representing NM_175226
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGTTGGGGCCCCGCGCAGCAGCAGGTGCGGATGGCCAGCAGCAGGTCTGGGCGGCGCTCGAAG
 TGGCGCTCCGGGTGCCCTGCCTCTACATCATCGACGCCATCTTCAACTCCTACTACGATTCCAGCCAAAG
 CCGGTTCTGCATCGGGCTTCAGATCTTTCTCCGGCTCCTTGGTATAGTTGTATCCAGTATTGTTCTGATC
 TTGTACACAGCATCACTTTCAAGTTTTACATGTACAGCTCAGCCTTTCTATTAGCTGCAACTTCAGTGT
 TGGTGAATTACTATGCTGCTTTGCACATTGACTTCTATGGTGCCTACAACACGTACAGCTTTGGAATCGA
 GTTGCTTCTCGAAAGGGCCCTCACTGTGGATGGCACTCATCGTTCTGCAGCTAACCTTTGGAATTGGA
 TATGTCACATTACTGCAGATTCACTCCATCTATTACAGTTAATGATTTAAATATCTTGGTTCTATAA
 TTGGCTTAATCACAGAGCTGCCATTACACATCAGAGAGACAGTAGTGTCTATGTCGTCCTTGATTCTCAT
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 TCCCAGACATACTTCGGGTCTTCTGGCTAACAAGAATTACAGCTCAGGCTACAGTGTAAATGTACATTTT
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 CGCTTAAGTAGAAACATGTGCCTTTTAACTGCAGTCTGCATTTTCCATAGACACTTTCCTGTGCTGTTTGTCTG
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 ATGGCTGGAAGACATTATGAATCGTAGAACTGCTGTTAAGAAAATTAATTCACTTCTGAGATAAAAGG
 GAGCCACTTGAAGAAATAGATGATGTCTGTGCAATCTGCTATCATGAGTTCACAACATCTGCTCGTATA
 ACACCGTGAACCATTTTCCATGCACCTGCCTTCGGAAATGGCTGTACATTCAAGATACTTGTCCAA
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 CTGAACGAGGATGACAGTACAGACTGTGATGATGATGCTCAAAGAGAAAGAAACGGGGGATTACAGCACA
 CAGGCGCAGCAGCAGCAGCCGAGAATTAATGATGACTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209908 representing NM_175226
Red=Cloning site Green=Tags(s)

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MAAVGPPQQVVRMAQQQVWAALEVALRVPCLYIIDAFNSYYDSSQSRFCIGLQIFLRLLGIVVSSIVLI
LSQRSLFKFYMYSSAFLAATSVLVNYAALHIDFYGAYNTSAFGIELLPRKGPSLWMALIVLQLTFGIG
YVTL LQIQSIYQLMILNIVPIIGLITELPHIRETVVLMSSLILIFNTVLVAVLKLKWFYYSTRYVYL
LVRHMYRIYGLQLLMEDTWKRIRFPDILRVFWLTRITAQATVLMYILRMANETESFFISWDDFWDVICNL
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RLSRNMCLLLTAVLHFHIGMTDPVLMSLASHVSSFHRHFPVLFVSACLFILPVLLSYVLWHYALNTWL
FAVTAFCVELCLKVIVSLTVYTLFMIDGYYNVLWEKLDDYVYFVVRSTGNIIEFIFGVVMFGNGAYTMMFE
SGSKIRACMMCLHAYFNIYLQVKNGWKTFMNRRTAVKKINSLPEIKGSHLQEIDDVCAICYHEFTTSARI
TPCNHYFHALCLRKWLVIQDTCPMCHQKYYIEDEIKDNSNASNNNGFIAPNENPNPEEALREDAAGSDRE
LNEDDSTDCDDDAQRRNGGIQHTGAAAAAAEFNDTD
  
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TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_h12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175226

ORF Size: 2004 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

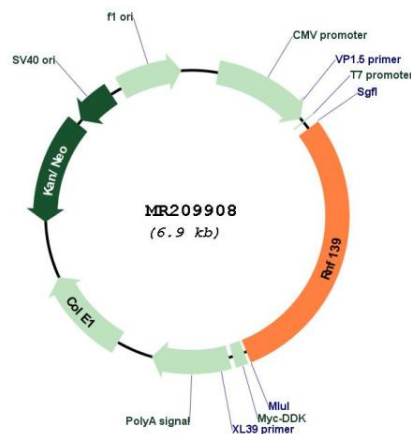
UniProt ID: [Q7TMV1](#)

Cytogenetics: 15 D1

MW: 76.6 kDa

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]

Product images:



Circular map for MR209908