

## Product datasheet for **RR203315**

### Rnf31 (NM\_001108868) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf31 (NM\_001108868) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rnf31  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203315 representing NM\_001108868  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGCCAGGAGACGAGGAGCGAGCCTTCTAGCGGCCCGGAGGAGCTGGCGAGCGCCTGAGGTGGGATT  
 CTGGCCAGGTATTTCCCCTGGAGCAGCTCACGCCGTTCTGGCCACCTCTCTGCCACTCTCTCCCCTA  
 CCGGCAGCTGGATGCCGAGCCTGGTCCGCTGCAACGCTCATGGGGAGCCTCGAACTACCTCAACT  
 CTATCCACGGCCCTGAACATCCTGGAAAAGTATGGTCGAAACCTCCTCAGCCACAGCGGCCCGGTATT  
 GGCCTCAGTGAAGTTAATAACCTGTCTTTCGACGACGCTGGATGCTGTGCAGGGTGGCCGGGATG  
 GCTACGGTTGATGGCTATACCGAGGAGCGCCAGATGGATTGAGTTTCCCAGGAGGAGGAGAACCA  
 GATGAATACCAGGTTGCCATAGTCACACTAGAAGTACTACTGTTTCGCACGGAGCTCAATTTGCTGTTGC  
 AGAATACTCATCAAGACAGAACGCACTGGACCAGCTACTAAGAGACAGCGTTGAAGATGACATGCTGCA  
 GCTTTCAGAGTTTCAACCCCTTTGAGAGAGATTGTTCTGGCCCCCTCCCCTCTGCCCCAGGCCACT  
 CCTGGTCCCTGCTTCTGTGGTTCTGCCCCAGGCACACTGCACTGTCCAGCCTGTAACCAAGCTTCAT  
 GCCCAGCTTGTGACCTTTGTTCCATGGGCATCCGTCCCGTGCATCACCTTCGCCACACCTACCCGG  
 GGCCACCAGACCACCAACCTAAGCTCTAGTTTACCTGCCTCGTCCCAACCAGGCCACTCTCTCTCC  
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 CCTGTGCCACATTAACGAGCCTTGGGAGTGTCTGTGACGCTGTAGTCAGCCAAAGGCTGTAAGGT  
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 AGCCTCCCAGCTTGGTGGTGGATTCCATGACGCTGGTGTTTACCAACAGCCCCCTAAGCAGGAGGATAC  
 TTTGCTCTCCGCTGCCAGTCTCAGGTGGCACTGTGACCATTTGACCTTCTGCAATTCAGGCCCTGTC  
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 GCAGGTGCCAGTCCAGAAGAGATCTTCTCGGCTTACAATACTCGGGCACTGAGGTGCCCTGCAGTGGT  
 TGCGTTACAGAGCTGTCTACGTCTGGAGATGGTGGTGGAGCTAGCTGGACAACGGGATCCAGAGCTCGG  
 TGCCTTTCTGTCCAGGAAGCCCGAAAGCCTGGCTTGTGTCATGGCAACCTTGATGAAGCTGTAGAG



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GAGTGTGTGAGGGCCAGGAGGAGGAAGGTGCAGGAGCTCCAGTCCCTGGGCTTTGAGCCTAAAGAAGGGT  
 CGCTGCAGGCATTGTTCCAGCATGGGGGTGATGTGGCCCGGGCCCTAACTGAGTTACAGCGACAGCGCT  
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 CTGACGCGGCTGTACAATGCCCTTTACGCCAAGAATAAATGTCCAGACCCTAACTGCAAGTGAAAAAG  
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 CCGCCTGGCTATGCCGCGCTGTGTGAGGACACTACAAAGAGTATCTTGTGAGCCTCATCAATGCCCACT  
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 GCCCAACCCATGGATGGAGAGGATCTTCTGCTTACCAGGCCGGTTGTTACAGAAGCTGAGAGAAGAG  
 GTGCCCTTGGGACAGAGTATTGCTCGCAGAAGAAAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGTTTAA

**Protein Sequence:**

>RR203315 representing NM\_001108868  
 Red=Cloning site Green=Tags(s)

MPGDEERAFLAAREELASALRWDSAQVFPLEQLTPLLATSLPLSSRYRQLDAGRLVRCNAHGEPRNYLNT  
 LSTALNILEKYGRNLLSPQRPRYWRSVKFNPNVFRSTVDVAVQGGRDVLRLYGYTEERPDGLSFPGGQEEP  
 DEYQVAIVTLEVLLLRLTELNLLLQNTHPRQNALDQLLRDSVEDDMLQLSEFHPLLRREIVPGPLPSAPGHT  
 PGPCFLCGSAPGTLHCPACNQASCPACDLLFHGHPSRAHHLRHTLPGAHQTTNLSSSLPASSQPRPHSS  
 LAMGDSSLSSPDANACLPHWCPTCATLNEPWAVFCAACSQPKGCKVREGRESSQGTGVLEPEPARDQWAC  
 QSCTFENEAAAVLCAICERPRLAQPPSLVVDSDHAGVYQQPLKQEDTLLSAAQSQVWHCDHCTFCNSGPV  
 WWCAMCNRTRSPIPAQPYPSSLEKGLSQPGSSQHLSSSLPASCSDPEKQRQDKMRKESLQLVNMIQEGEA  
 AGASPEEIFSALQYSGTEVPLQWLRSEL SYVLEMVAELAGQRDPELGAFCQEARAWLDRHGND EAVE  
 ECVRRARRKQVQLQSLGFEPKEGSLQALFQHGDDVARALTELQRQRLEPFHQRLWGRDPEPTPCWDGLDR  
 QSLVRRLLAVYTLPSWGRAELALALLQETPRNYELLDVVEAVRHSQDRAFLRLLAQECAVCGWALPRNR  
 MQALISCECTICPECFRQHFTIALKEKHITDMVCPACGRPDLTDDAQLLSYFSTLDIQLRESLEPDAYAL  
 FHKKLTAVLMRDPKFLWCAQCSFGFIYEREQLEATCPQCHQTFVCRKRQWEEQHRGRSCEDFQNWKRT  
 NDPEYQAQGLAMYLQENGDICPKCKFSYALARGGCMHFHCTQCRHQFCSGCYNAFYAKNKC PDPNCKVKK  
 SLHGHHPDCLFYLRDWPAAARLQKLLQDNNVMFNTEPPAGTRAVPGGGCRVMEQKEVPSGFRDEACGKET  
 PPGYAGLCQAHYKEYLVSLINAHSLDPATLYEVEELETATARYLHLTPQPMGDGEDLPAYQARLLQKLR  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

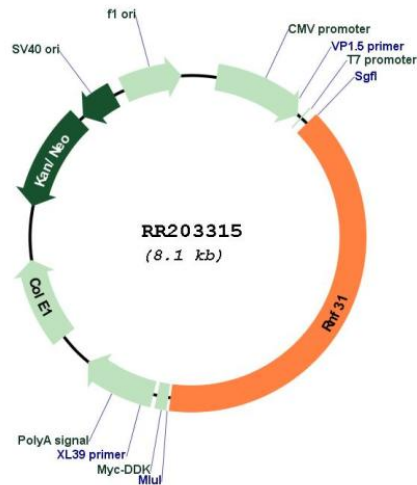
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108868

ORF Size: 3186 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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><a href="#">NM_001108868.1</a></u> , <u><a href="#">NP_001102338.2</a></u>
<b>RefSeq Size:</b>	3394 bp
<b>RefSeq ORF:</b>	3189 bp
<b>Locus ID:</b>	364386
<b>Cytogenetics:</b>	15p13
<b>MW:</b>	119.2 kDa