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# Product datasheet for SC115641

## RNF139 (NM_007218) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | RNF139 (NM_007218) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | RNF139 |
| **Synonyms:** | HRCA1; RCA1; TRC8 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

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**Fully Sequenced ORF:**

>OriGene ORF within SC115641 sequence for NM_007218 edited (data generated by NextGen Sequencing)

ATGGCGGCCGTGGGGCCCCCGCAGCAGCAGGTGCGGATGGCCCATCAGCAGGTCTGGGCG
GCGCTCGAAGTGGCGCTCCGGGTGCCCTGCCTTTACATCATCGACGCCATCTTCAACTCC
TACCCGGATTCCAGCCAAAGCCGGTTCTGCATCGTGCTCCAGATCTTCCTCCGGCTCTTT
GGTGTATTTGCATCCAGTATTGTTCTGATCTTGTCACAACGATCACTTTTCAAGTTTTAC
ACGTACAGCTCAGCCTTTCTGTTAGCTGCAACTTCAGTGTTGGTGAATTATTATGCTTCT
TTGCACATTGACTTCTATGGTGCCTACAACACGTCAGCTTTTGGAATTGAGCTGCTTCCT
CGAAAAGGTCCCTCGCTGTGGATGGCACTTATCGTTCTACAGCTAACATTTGGAATTGGA
TACGTTACACTACTCCAGATTCATTCCATCTATTCACAATTAATTATTTTGGATCTCTTG
GTTCCTGTAATAGGCTTAATCACAGAGCTACCATTACACATCAGAGAGACTTTACTGTTT
ACTTCTTCCTTGATTCTCACATTAAATACAGTGTTTGTCCTGGCAGTGAAACTGAAGTGG
TTTTATTATTCCACACGATATGTTTATCTTTTGGTGAGGCACATGTATCGAATTTATGGA
TTACAGTTATTGATGGAGGACACATGGAAGAGGATTCGTTTCCCAGACATACTACGAGTC
TTTTGGCTAACAAGAGTTACAGCTCAGGCTACAGTGTTAATGTACATCTTAAGGATGGCA
AATGAAACTGATTCCTTCTTTATTTCTTGGGATGATTTTTGGGACCTCATTTGCAATCTT
ATAATTAGTGGGTGCGATTCTACACTAACTGTACTGGGCATGAGTGCTGTAATTTCCTCA
GTAGCCCATTATTTGGGGCTTGGAATATTGGCCTTTATTGGATCAACTGAGGAAGATGAC
AGGCGTCTTGGCTTTGTTGCACCTGTTTTATTTTTTATTTTGGCTCTTCAGACTGGGTTA
AGTGGGCTAAGACCAGAAGAGAGACTTATTCGCTTAAGTAGAAACATGTGCCTTTTATTA
ACTGCAGTCCTGCATTTTATCCATGGAATGACAGACCCTGTATTAATGTCTCTCAGTGCC
TCTCATGTGTCATCTTTTCGTAGACATTTTCCTGTGCTGTTTGTCTCTGCTTGCCTGTTT
ATTCTTCCTGTCTTACTCAGTTATGTTCTTTGGCATCACTATGCACTAAATACATGGTTG
TTTGCAGTTACAGCATTTTGTGTGGAACTGTGCTTAAAAGTAATTGTTTCTCTCACTGTT
TATACGTTATTCATGATTGATGGCTACTATAATGTCCTCTGGGAAAAGCTTGACGATTAT
GTCTACTACGTTCGTTCAACAGGCAGTATTATTGAATTTATATTTGGAGTTGTAATGTTT
GGAAATGGGGCTTACACTATGATGTTTGAGTCGGGAAGTAAAATTCGGGCTTTTATGATG
TGCCTACATGCATATTTTAACATCTACTTACAAGCCAAAAATGGCTGGAAGACATTTATG
AATCGTAGGACTGCTGTGAAGAAAATTAATTCACTTCCTGAAATAAAAGGGAGCCGCTTA
CAAGAAATAAATGATGTATGTGCAATCTGCTATCATGAGTTTACAACATCTGCTCGTATT
ACACCGTGTAATCATTATTTCCATGCACTTTGCCTTCGGAAATGGCTGTACATTCAAGAT
ACTTGTCCAATGTGCCATCAGAAAGTATACATCGAAGATGATATCAAGGATAATTCAAAT
GTATCTAACAACAATGGATTTATTCCACCCAATGAAACTCCAGAGGAAGCTGTAAGAGAA
GCTGCTGCTGAATCTGACAGGGAATTGAACGAAGATGACAGTACAGATTGTGATGATGAT
GTTCAAAGAGAAAGAAATGGAGTGATTCAGCACACAGGCGCAGCAGCTGAAGAATTTAAT
GATGATACTGACTGA

Clone variation with respect to NM_007218.3
657 c=>t

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_007218 unedited
GTAATACGACTTACTATAGGGCGGCCGCGAATTCGGCACGAGGTTGCCCGCCTTAGCCCC
CGCCCCCGGCCGCGGCCCCGGGCCCTGCCCCGCGCGGCCCTGCCCGGCCCACCGAGCCCT
GGTGTGGCAGCGGCTCATGGCGGCCGTGGGGCCCCCGCAGCAGCAGGTGCGGATGGCCCA
TCAGCAGGTCTGGGCGGCGCTCGAAGTGGCGCTCCGGGTGCCCTGCCTTTACATCATCGA
CGCCATCTTCAACTCCTACCCGGATTCCAGCCAAAGCCGGTTCTGCATCGTGCTCCAGAT
CTTCCTCCGGCTCTTTGGTGTATTTGCATCCAGTATTGTTCTGATCTTGTCACAACGATC
ACTTTTCAAGTTTTACACGTACAGCTCAGCCTTTCTGTTAGCTGCAACTTCAGTGTTGGT
GAATTATTATGCTTCTTTGCACATTGACTTCTATGGTGCCTACAACACGTCAGCTTTTGG
AATTGAGCTGCTTCCTCGAAAAGGTCCCTCGCTGTGGATGGCACTTATCGTTCTACAGCT
AACATTTGGAATTGGATACGTTACACTACTCCAGATTCATTCCATCTATTCACAATTAAT
TATTTTGGATCTCTTGGTTCCTGTAATAGGCTTAATCACAGAGCTACCATTACACATCAG
AGAGACTTTACTGTTTACTTCTTCCTTGATTCTCACATTAAATACAGTGTTTGTCCTGGC
AGTGAAACTGAAGTGGTTTTATTATTCCACACGATATGTTTATCTTTTGGTGAGGCACAT
GTATCCGATTTATGGATTACAGTTATTGATGGAAGACACATGGGAGAGGNNATCGTTCCC
AGACATACTACGAGTCTTTTTGCCTAACAGAGTACAGCTCAAGCTACAGTGNTAATGTAA
CATCTAAAGGATGGCAAATGAAACTGATTCCTTTCTTATTTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_007218 unedited
AGCTTTGNACCCGCGGCCGCATNCTANAATCGAGTNTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAAAAGGGGAAAACATTTTTTTTTTTGTCC
AATAATGGCCACAAATTTAAACGGGTCCCCAAAAAAACCAAAAGTATTTAAAGAGGTTTT
TTTACAGTACCCCATCACAGTAAACGGAAAACCTTTCACAAATTCAACATTGATCCTGTT
TTTGGGCTGGGTTACCCCCTGAAGGGGAAGGATTTTACTCCTTTTTGGATGAACTGAATT
TTAAACAAATCCCTCAATCATTAAAAAAGGCTTTTTTCATCAGCCAGTATCATCATTAAA
TTTTTCAACTGCTGCCCCTGGGGGCTGAAACACTCCATTTTTTTTTTTTTGAACATCATC
ATCACAATCTGGACTGGCATTTTCGTTAAATTCCCTGGAAAAATAAAAAACAGTTTTTTT
TACAGTTTCCTTTGGAGTTTCATTGGGGGGAAAAAATCCATTGGGGTAAAACACATTGGA
ATTATCCTTGATATCATCTTCAAGGGATACTTTTTGAGGGCACATTGGACAAGTTTTTTG
AATGTACAGCCTTTTCCGAAGGCAAAGTGCATGGAAATAATGATTACACGGGGTAATACG
ACCAGATGTTGTAAACTCATGATAGCAAATTGCACATACTTCATTTATTTCTTGAAAGCG
GCTCCCTTTTATTTCAGGAAGGGAATAAATTTTCTTCACGCAGTCCTCGATTAAAAATGT
CTTCACCCATTTTTGGCTGTAAGTAAATGTAAAAATGCCTGTAGGCCAATATAAAAGCCG
AATTTTACTTTCCACTAAACTATAGTGTAGCCCATTTCAACTTACAACCCAATTAAATCA
TAATCCGCTGTGGACAACGAAAAACATATGCAAGCTTCCAAAGACTTTATACCTC

**Restriction Sites:** NotI-NotI

**ACCN:** NM_007218

**Insert Size:** 2500 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).

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|---|---|
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_007218.3, NP_009149.2 |
| **RefSeq Size:** | 3312 bp |
| **RefSeq ORF:** | 1995 bp |
| **Locus ID:** | 11236 |
| **UniProt ID:** | Q8WU17 |
| **Cytogenetics:** | 8q24.13 |
| **Domains:** | RING |
| **Protein Families:** | Druggable Genome, Transmembrane |
| **Gene Summary:** | The protein encoded by this gene is a multi-membrane spanning protein containing a RING-H2 finger. This protein is located in the endoplasmic reticulum, and has been shown to possess ubiquitin ligase activity. This gene was found to be interrupted by a t(3:8) translocation in a family with hereditary renal and non-medulary thyroid cancer. Studies of the Drosophila counterpart suggested that this protein may interact with tumor suppressor protein VHL, as well as with COPS5/JAB1, a protein responsible for the degradation of tumor suppressor CDKN1B/P27KIP. [provided by RefSeq, Jul 2008] |