

Product datasheet for **RC213968**

RNF38 (NM_194330) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF38 (NM_194330) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213968 representing NM_194330 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCTTCAGTTCGACCAAGCCAACATCACTTCTCAG
GGGAACGATGCAACACACCTGCACGCAACAGAAGAAGTCTCCTGTCAGGCGCCAGAGAGGAAGAAGGGA
TCGTCTGTCTCGACATAATTCCATTAGTCAAGATGAAACTATCACCATCTCCCTACGCACAGCAGCAA
GCAATAGAGGAGCCTCGAGCCTCCACCCTCCGAATGTATCTCCCGTCTGCTACATCTGCTCATC
CACCCAGCAGAATGCAGTCATGGTTGACATACATGATCAGCTCCATCAAGGAACAGTCCCTGTTCTTA
CACAGTAAACAACAGTGGCACCACATGGGATTCCACTCTGCACAGGCCAGCACATCCCTGCTTGTAGTACA
CAGCAGGTCCCAGGATGCTCTGTGGTTTTTCAGTGGACAGCACCTCCCTGTCTGTAGTGTGCTCCTCCAA
TGCTTCAGGCATGTTTCAGTTCAGCACTTACCAGTACCATATGCTGCATCCACCCTTATTTCTAGTGA
TCCATTTCTTATACATCCTCCTCACCTTCTCCCATCATCCTCCTCATTGCCACCACCAGGCCAGTTT
GTCCCTTTCCAAACACAGCAATCACGATCGCCTCTGCAAAGGATAGAAAATGAAGTGAACCTTAGGAG
AACATCTCCAGTAGGAGGTTTTACTTACCCTCCATCAGCCACCCCAACATTACCTCCATCAGCTCC
CTTGCACTTCTAACACATGATCCTTTGCATCAGGAGGTGCTTTGGAGTACCTTATCCTCCATTTATG
CCTCGGAGGCTTACAGGACGTAGTAGATACCGATCCCAGCAGCCAATACCACCTCCCCTTATCATCCCA
GCTTACTGCCATATGTGTTATCAATGCTTCCAGTGCCACCTGCAGTGGGCCCAACTTTCAGCTTTGAATT
AGATGTAGAAGATGGAGAAGTAGAAAATTACGAGGCCCTGTTAAACCTGGCAGAGCGACTGGGAGAGGCA
AAGCCTCGTGGACTGACTAAAGCAGATATTGAACAACCTCCTTCTTATCGGTTCAATCCTAACACCACC
AGTCAGAACAGACTTTGTGTGTAGTATGCATGTGTGATTTTGGAGTCAAGGCAGCTACTTAGAGTCTTACC
CTGTAACCACGAGTTCATGCCAAGTGTGTTGACAAATGGCTTAAAGGCAAATCGTACTTGCCCAATTTGC
CGAGCTGATGCTTCAGAAGTGCATCGGGATTGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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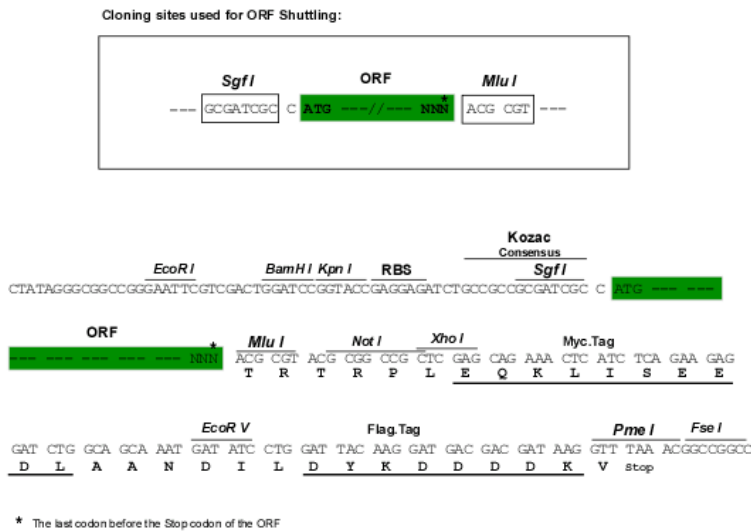
Protein Sequence: >RC213968 representing NM_194330
 Red=Cloning site Green=Tags(s)

MRPWEMTSNRQPPSVRPSQHHSFSGERCNTPARNRRSPPVRRQRGRDRRLSRHNSISQDENYHHLPYAQQQ
 AIEEPRAFHPNVSRLHLHPAAHPPQNAVMDIHDQLHQGTVPVSYTVTTVAPHGIPLCTGQHIPACST
 QQVPGCSVVFSGQHLPCVSVPPMLQACSVQHLVPVYAAFPLISSDPFLIHPPHLSPPHPPHLP
 VPFQTQQSRSPQLQRIENEVELLGEHLVPGGFTYPPSAHPPTLPPSAPLQFLTHDPLHQEVSFGVPYPPFM
 PRRLTGRSRYRSQQPIPPPPYHPSLLPYVLSMLPVPPAVGPTFSFELDVEDGEVENYEALLNLAERLGEA
 KPRGLTKADIEQLPSYRFNPNNHQSEQLTLCVVMCDFESRQLLRVLPCHNEFHAQCVKWLKANRTCPIC
 RADASEVHRDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194330

ORF Size: 1296 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_194330.2](#), [NP_919311.1](#)

RefSeq Size: 4999 bp

RefSeq ORF: 1299 bp

Locus ID: 152006

UniProt ID: [Q9H0F5](#)

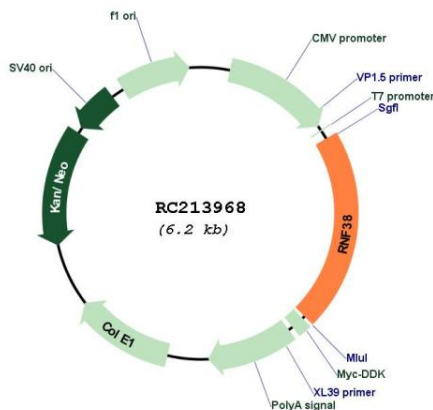
Cytogenetics: 9p13.2

Protein Families: Druggable Genome

MW: 48.6 kDa

Gene Summary: This gene encodes a protein with a coiled-coil motif and a RING-H2 motif (C3H2C2) at its carboxy-terminus. The RING motif is a zinc-binding domain found in a large set of proteins playing roles in diverse cellular processes including oncogenesis, development, signal transduction, and apoptosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]

Product images:



Circular map for RC213968