

Product datasheet for **RC223438**

RNF14 (NM_183398) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF14 (NM_183398) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF14
Synonyms:	ARA54; HFB30; HRIHFB2038; TRIAD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC223438 representing NM_183398
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGTCAGAAGATCGAGAAGCTCAGGAGGATGAATTGCTGGCCCTGGCAAGTATTTACGATGGAGATG
 AATTTAGAAAAGCAGAGTCTGTCCAAGGTGGAGAAACCAGGATCTATTTGGATTTGCCACAGAATTTCAA
 GATATTTGTGAGCGCAATTCAAATGAGTGTCTCCAGAATAGTGGCTTTGAATACACCATTTGCTTTCTG
 CCTCCACTTGTGCTGAACCTTGAACCTGCCACCAGATTATCCATCCTCTTCCCCACCTTCATTACACTTA
 GTGGCAAATGGCTGTACCAACTCAGCTATCTGCTCTATGCAAGCACTTAGACAACCTATGGGAAGAACA
 CCGTGGCAGCGTGGTCTGTTTGCCTGGATGCAATTTCTTAAGGAAGAGACCCTAGCATACTTGAATATT
 GTCTCTCCTTTTGTAGCTCAAGATTGGTTCTCAGAAAAAGTGCAGAGAAGGACAGCTCAAGCTTCTCCCA
 ACACAGAGCTAGATTTTGGAGGAGCTGTGGATCTGATGTAGACCAAGAGGAAATTTGGATGAGAGAGC
 AGTGCAGGATGTGAATCACTGTCAAATCTGATCCAGGAAATCTTGGACTTTGATCAAGCTCAGCAGATA
 AAATGCTTTAATAGTAAATTTGTTCTGTGCAAGTATCTGTTTCTGTGAGAAGCTGGGTAGTGAATGCATGT
 ACTTCTTGGAGTGCAGGCATGTGTACTGCAAAGCCTGTCTGAAGGACTACTTTGAAATCCAGATCAGAGA
 TGGCCAGGTTCAATGCCTCAACTGCCGAGAACCAAGTGCCTTTCGGTGGCCACTCCTGGTCAGGTCAA
 GAGTTAGTGAAGCAGAGTTATTTGCCCGTTATGACCGCCTTCTCCTCCAGTCTCCTTGGACCTGATGG
 CAGATGTGGTGTACTGCCCCGGCCGTGCTGCCAGCTGCCTGTGATGCAGGAACCTGGCTGCACCATGGG
 TATCTGCTCCAGTGCATTTTGCCTTCTGTACTTTGTGCAGTTGACCTACCATGGGGTCTCCCATGT
 AAGGTGACTGCAGAGAAATTAATGGACTTACGAAATGAATACCTGCAAGCGGATGAGGCTAATAAAAGAC
 TTTTGGATCAAAGGTATGGTAAGAGAGTGATTGAGAAGGCACTGGAAGAGATGGAAGTAAGGAGTGGCT
 AGAGAAGAACTCAAAGAGCTGCCATGTTGTGGAACCTCCATAGAGAAATTAGACGGATGTAACAAGATG
 ACATGTACTGGCTGTATGCAATATTTCTGTTGGATTTGCATGGTTCTCTCTCTAGACAAACCTTACA
 AACATTTCAATGACCCTGGTTCACCATGTTTTAACCGGCTGTTTTATGCTGTGGATGTTGACGACGATAT
 TTGGGAAGATGAGGTAGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223438 representing NM_183398
 Red=Cloning site Green=Tags(s)

MSEEDREAQDELLALASIYDGDDEFKAEVQGGETRIYLDLPQNFKIFVSGNSNECLQNSGFETYICFL
 PPLVLFNFELPPDYPPSSPPSFTLSGKWLSPQLSALCKHLDNLWEEHRGSVVLFAWMQFLKEETLAYLNI
 VSPFELIGSQKKVQRTAQASPNTELDGGAAGSDVDQEEIVDERAVQDVEISNLIQEILDFDQAQQI
 KCFNSKFLCSICFCEKLGSECMYFLECRHVYCKACLKDYFEIQIRDGQVQCLNCPKPCPSVATPGQVK
 ELVEAELFARYDRLLQSSLDLMDVVYCPRPCCQLPVMQEPGCTMGICSSCNFAFCTLCRLTYHGVSPC
 KVTAEKLMDLRNEYLQADEANKRLLDQRYGKRVIQKALEEMESKEWLEKNSKSCPCCGTPIEKLDGCKNM
 TCTGCMQYFCWICMGLSRANPYKHFNDPGSPCFNRLFYAVDVEDDIWEDEVED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_183398

ORF Size: 1425 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_183398.1](#), [NM_183398.2](#), [NP_899645.1](#)
RefSeq Size: 4243 bp

RefSeq ORF: 1047 bp

Locus ID: 9604

UniProt ID: [Q9UBS8](#)

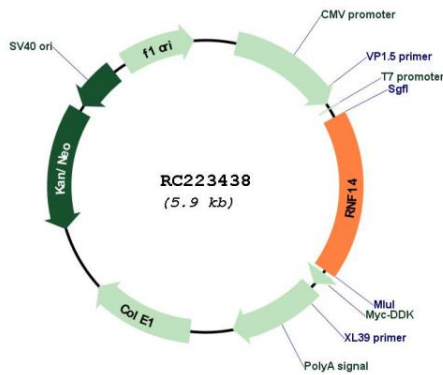
Cytogenetics: 5q31.3

Protein Families: Druggable Genome, Transcription Factors

MW: 53.8 kDa

Gene Summary: The protein encoded by this gene contains a RING zinc finger, a motif known to be involved in protein-protein interactions. This protein interacts with androgen receptor (AR) and may function as a coactivator that induces AR target gene expression in prostate. A dominant negative mutant of this gene has been demonstrated to inhibit the AR-mediated growth of prostate cancer. This protein also interacts with class III ubiquitin-conjugating enzymes (E2s) and may act as a ubiquitin-ligase (E3) in the ubiquitination of certain nuclear proteins. Six alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RC223438