

Product datasheet for **RC223420**

RNF14 (NM_183401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF14 (NM_183401) 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:

>RC223420 representing NM_183401.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCGTCAGAAGATCGAGAAGCTCAGGAGGATGAATTGCTGCCCTGGCAAGTATTTACGATGGAGAT
GAATTTAGAAAAGCAGAGTCTGTCCAAGGTGGAGAAACCAGGATCTATTTGGATTTGCCACAGAATTTT
AAGATATTTGTGAGCGGCAATTCAAATGAGTGTCTCCAGAATAGTGGCTTTGAATACACCAATTTGCTTT
CTGCCTCCACTTGTGCTGAACTTTGAACTGCCACCAGATTATCCATCCTCTTCCCCACCTTCATTACA
CTTAGTGGCAAATGGCTGTACCAACTCAGCTATCTGCTCTATGCAAGCACTTAGACAACCTATGGGAA
GAACACCGTGGCAGCGTGGTCTGTTTGCCTGGATGCAATTTCTTAAGGAAGAGACCCTAGCATACTTG
AATATTGTCTCTCTTTTGTGCTCAAGATTGGTTCTCAGAAAAAGTGCAGAGAAGGACAGCTCAAGCT
TCTCCAACACAGAGCTAGATTTTGGAGGAGCTGCTGGATCTGATGTAGACCAAGAGGAAATTTGGAT
GAGAGAGCAGTGCAGGATGTGGAATCACTGTCAAATCTGATCCAGGAAATCTTGGACTTTGATCAAGCT
CAGCAGATAAAATGCTTTAATAGTAAATGTTCTGTGAGTATCTGTTTCTGTGAGAAGCTGGGTAGT
GAATGCATGTACTTCTTGGAGTGCAGGCATGTGTACTGCAAAGCCTGTCTGAAGGACTACTTTGAAATC
CAGATCAGAGATGGCCAGGTTCAATGCCTCAACTGCCCAAGCAACAAAGTGCCTTCGGTGGCCACTCCT
GGTCAGGTCAAAGAGTTAGTGGAAAGCAGAGTTATTTGCCCGTTATGACCGCCTTCTCCTCCAGTCTCC
TTGGACCTGATGGCAGATGTGGTGTACTGCCCCGGCCGTGCTGCCAGCTGCCTGTGATGCAGGAACCT
GGCTGCACCATGGGTATCTGCTCCAGCTGCAATTTTGCCTTCTGTACTTTGTGCAGGTTGACCTACCAT
GGGGTCTCCCATGTAAGGTGACTGCAGAGAAATTAATGGACTTACGAAATGAATACCTGCAAGCGGAT
GAGGCTAATAAAAGACTTTTGGATCAAAGGTATGGTAAGAGAGTGATTGAGAAGGCACTGGAAGAGATG
GAAAGTAAGGAGTGGCTAGAGAAGAACTCAAAGAGCTGCCATGTTGTGGAAGTCCCATAGAGAAATTA
GACGGATGTAACAAGATGACATGTACTGGCTGTATGCAATATTTCTGTTGATTTCATGGGTTCTCTC
TCTAGAGCAAACCCTTACAAACATTTCAATGACCTGGTTCACCATGTTTAAACCGGCTGTTTTATGCT
GTGGATGTTGACGACGATATTTGGGAAGATGAGGTAGAAGAC
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Protein Sequence:

>Peptide sequence encoded by RC223420
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MSEEDREAQEDELLALASIIDGDEFKRAESVQGGETRIYLDLPQNFKIFVSGNSNECLQNSGFEYITCF
LPPLVLNLFELPPDYPSSSPSFTLSGKWLSPQLSALCKHLDNLWEEHRGSVVLFAWMQFLKEETLAYL
NIVSPFELKIGSQKVKVRRTAQASPNTLDFGGAAGSDVDQEEIVDERAVQDVESLSNLIQEILDFDQA
QQIKCFNSKFLCSICFCEKLGSECMYFLECRHVYCKACLKDYFEIQIRDGQVQCLNCPKPCPSVATP
GQVKELVEAELFARYDRLLLQSSLDLMADVVCPRPCCQLPVMQEPGCTMGICSSCNFAFCTLRLTYH
GVSPCKVTAEKLMDLRNEYLQADEANKRLLDQRYGKRVIQKALEEMESKEWLEKNSKSCPCCGTPIEKL
DGCNMTCTGCMQYFCWICMGSLSRANPYKHFNDPSPCFNRLFYAVDVDDDIWEDEVED
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Recombinant protein using RC223420 also available, [TP323420](#)

Chromatograms:

https://cdn.origene.com/chromatograms/mg2876_e12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_183401

ORF Size: 1422 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_183401.3](#)

RefSeq Size: 4201 bp

RefSeq ORF: 1425 bp

Locus ID: 9604

UniProt ID: [Q9UBS8](#)

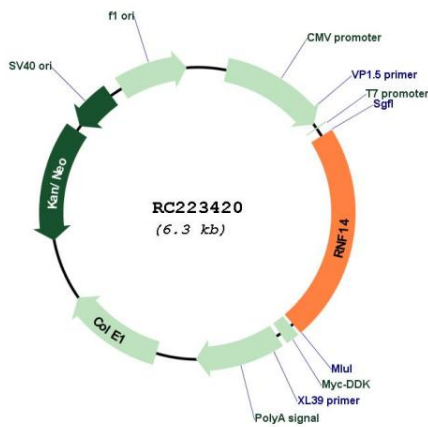
Cytogenetics: 5q31.3

Protein Families: Druggable Genome, Transcription Factors

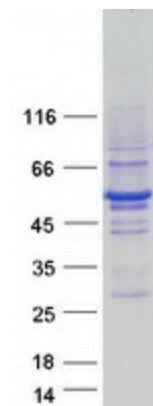
MW: 53.8 kDa

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 RC223420



Coomassie blue staining of purified RNF14 protein (Cat# [TP323420]). The protein was produced from HEK293T cells transfected with RNF14 cDNA clone (Cat# RC223420) using MegaTran 2.0 (Cat# [TT210002]).