

Product datasheet for **RG223420**

RNF14 (NM_183401) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | RNF14 (NM_183401) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | RNF14 |
| Synonyms: | ARA54; HFB30; HRIHFB2038; TRIAD2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG223420 representing NM_183401
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGTCAGAAGATCGAGAAGCTCAGGAGGATGAATTGCTGGCCCTGGCAAGTATTTACGATGGAGATG
 AATTTAGAAAAGCAGAGTCTGTCCAAGGTGGAGAAACCAGGATCTATTTGGATTTGCCACAGAATTTCAA
 GATATTTGTGAGCGCAATTCAAATGAGTGTCTCCAGAATAGTGGCTTTGAATACACCATTTGCTTTCTG
 CCTCCACTTGTGCTGAACTTTGAACTGCCACCAGATTATCCATCCTCTTCCCCACCTTCATTACACTTA
 GTGGCAAATGGCTGTACCAACTCAGCTATCTGCTCTATGCAAGCACTTAGACAACCTATGGGAAGAACA
 CCGTGGCAGCGTGGTCTGTTTGCCTGGATGCAATTTCTTAAGGAAGAGACCCTAGCATACTTGAATATT
 GTCTCTCCTTTTGTAGCTCAAGATTGGTTCTCAGAAAAAGTGCAGAGAAGGACAGCTCAAGCTTCTCCCA
 ACACAGAGCTAGATTTTGGAGGAGCTGCTGGATCTGATGTAGACCAAGAGGAAATTTGGATGAGAGAGC
 AGTGCAGGATGTGAATCACTGTCAAATCTGATCCAGGAAATCTTGGACTTTGATCAAGCTCAGCAGATA
 AAATGCTTTAATAGTAAATTTGTTCTGTGCAAGTATCTGTTTCTGTGAGAAGCTGGGTAGTGAATGCATGT
 ACTTCTTGGAGTGCAGGCATGTGTACTGCAAAGCCTGTCTGAAGGACTACTTTGAAATCCAGATCAGAGA
 TGGCCAGGTTCAATGCCTCAACTGCCGAGAACCAAGTGCCTTTCGGTGGCCACTCCTGGTCAGGTCAA
 GAGTTAGTGAAGCAGAGTTATTTGCCCGTTATGACCGCCTTCTCCTCCAGTCTCCTTGGACCTGATGG
 CAGATGTGGTGTACTGCCCGCGCGTGTGCCAGCTGCCTGTGATGCAGGAACCTGGCTGCACCATGGG
 TATCTGCTCCAGTGCATTTTGCTTCTGTACTTTGTGAGGTTGACCTACCATGGGGTCTCCCATGT
 AAGGTGACTGCAGAGAAATTAATGGACTTACGAAATGAATACCTGCAAGCGGATGAGGCTAATAAAAGAC
 TTTTGGATCAAAGGTATGGTAAGAGAGTGATTTCAGAAAGCACTGGAAGAGATGGAAGTAAGGAGTGGCT
 AGAGAAGAACTCAAAGAGCTGCCATGTTGTGGAACCTCCATAGAGAAATTAGACGGATGTAACAAGATG
 ACATGTACTGGCTGTATGCAATATTTCTGTTGGATTTGCATGGGTCTCTCTCTAGAGCAAACCTTACA
 AACATTTCAATGACCCTGGTTCACCATGTTTTAACCGGCTGTTTTATGCTGTGGATGTTGACGACGATAT
 TTGGGAAGATGAGGTAGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223420 representing NM_183401
 Red=Cloning site Green=Tags(s)

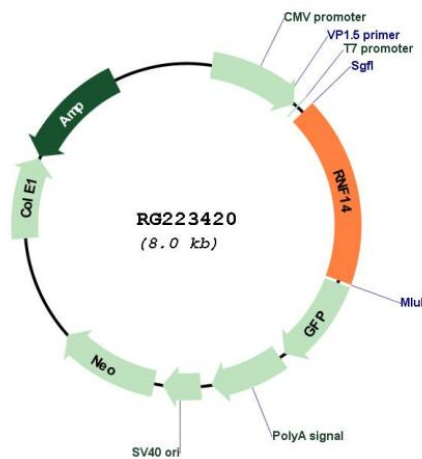
MSEEDREAQEDELLALASIYDGFDEFKAEVQGGETRIYLDLPQNFKIFVSGNSNECLQNSGFYEITICFL
 PPLVLFNFELPPDYPPSSPPSFTLSGKWLSPQLSALCKHLDNLWEEHRGSVVLFAWMQFLKEETLAYLNI
 VSPFELKIGSQKVKRRTAQASPNTLDFGGAAGSDVDQEEIVDERAVQDVESLNLIQEILDFDQAQOI
 KCFNSKLFCSI CFCEKLGSECMYFLECRHVYCKACLKDYFEIQIRDGQVQCLNCPKPCPSVATPGQVK
 ELVEAELFARYDRLLQLSSLDLMDVVYCPRPCCQLPVMQEPGCTMGICSSCNFAFCTLRLTYHGVSPC
 KVTAEKMLDLRNEYLQADEANKRLLDQRYGKRVIQKALEEMESKEWLEKNSKSCPCCGTPIEKLDGCNKM
 TCTGCMQYFCWICMGLSRANPYKHFNDPGSPCFNRLFYAVDVEDDIWEDEVED

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


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

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]