

Product datasheet for **RR205852**

Rnf14 (NM_001034995) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf14 (NM_001034995) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf14
Synonyms:	ARA54
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR205852 representing NM_001034995
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCGCGAGAAGACCTGGAAGCCAGGAGGATGAACTACTGGCCCTGGCAAGTATTTATGATGGAGATG
AGTTTAGAAAAGCAGAGTCTGTCCAAGGAGGGAAACCAGGATCTATTTGGATCTGCCACAGAATTTCAA
GATATTCGTGAGCGCAATTCAAATGAGTGTCTCCAGAATAGTGGCTTTGAATACACCATTTGCTTTCTG
CCACCCTTGTGCTGAACTTTGAACTGCCACCAGATTATCCATCCTCCTCCCCACCTTCATTCACTTA
GTGGCAAATGGCTGTACCAACTCAGCTCTCTGCTCTCTGCAAGCACCTGGACAACCTGTGGGAAGAACA
CCGAGGCCGTGTGGTGTGTTTGCCTGGATGCAGTTTCTTAAGGAGGAGACCCCTTACCTACCTGAATATT
GTCTCTCCTTTTGTAGCTCAAGATGGGGTCTCAGAAAAAGGTTCAGAGAAGGACAACAGCTCAGGCCTCTT
CCAACACAGAGCTTGCTTTGGGAGGAGCTGCTGCTGCTGCTGCTGCTGCGTCAGATGTAGACCAAGAAGACAG
TGTGGATGAGAGAGCTGTACAGGATGTAGAATCATTGTCAAGTCTGATCCAGGAAATCTTGGACTCAAT
CAAGATCGACAGATGAAGTGCTTCAATAGTAAACTGTTCTTGTGCAAGTATCTGTTTCTGTGAGAAGCTGG
GGAGTGATTGTATGTACTTCTTGGAGTGACAGATGTATATTGCAAAGCCTGTCTGAAGGATTACTTTGA
AATCCAGATCAAAGATGGTCAAGTTAAATGCCTCAACTGTCCAGAACCACAGTGTCTTCGGTGGCTACT
CCTGGTCAAGTCAAAGAGCTGGTGAAGCAGACTTATTTGCTCGCTATGACCGCCTCCTCCTCCAGTCTA
CTTTGGATCTAATGGCAGATGTGGTGTATTGTCCCGTCCATGCTGCCAGCTCCCTGTGATGCAAGAGCC
TGGTGGCACCATGGCTATCTGCTCCAGCTGCAATTTTGCCTTCTGCACCTTATGCAGACTGACCTATCAC
GGGTTTTCTCCATGTAAGGTAACGGCAGAGAAATTAATAGACTTACGGAATGAATACCTACAAGCAGATG
AAGCTACTAAAAGTTCTTGAACAGAGGTATGGCAAGAGGGTATTGAGAAGGCCCTGGAGAGATGGA
GAGTAAAGACTGGCTGGAGAAGAACTCCAAGAGCTGCCCTGCTGTGGAACGCCATACAGAAATTAGAC
GGCTGCAACAAGATGACCTGACTGGCTGTATGCAAGTATTCTGCTGGGTTTGCATGGGCTCTCTCAA
GAGCAAACCTTACAACATTTCACTGATCCTGATTCTCCATGCTTAAACAGTTGTTCCATGCCGTGGA
TGCAATGGAGACATTTGGGAAGATGAGATTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205852 representing NM_001034995
Red=Cloning site Green=Tags(s)

MSAEDLEAQEDELALASIDYDGFRAESVQGGETRIYLDLPQNFKIFVSGNSNECLQNSGFEYICFL
PPLVLFNFELPPDYPSSSPSFTLSGKWLSPQLSALCKHLDNLWEEHRGRVFLFAWMQFLKEETLYLNI
VSPFELKMGSKKVRRTTAQASNTLALGGAAAAAASDVDQEDSVDERAVQDVESLSSLIQEILDFN
QDRQMKCFNSKLFCSICFCEKLGSDCMYFLECRHVYCKACLKDYFEIQIKDQVKCLNCPPEPQCSSVAT
PGQVKELVEADLFARYDRLLQLSTLDLMDVVYCPRPCCQLPVMQEPGGTMAICSSCNFAFCTLCRLTYH
GVSPCKVTAEKLIDL RNEYLQADEATKRFLQRYGKRVIQKALEEMESKDWLEKNSKSCPCCGTPIQKLD
GCNKMTCTGCMQYFCWVCMGSLSRANPYKHFTDPDPCFNRLFHAVDVNGDIWEDEIED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

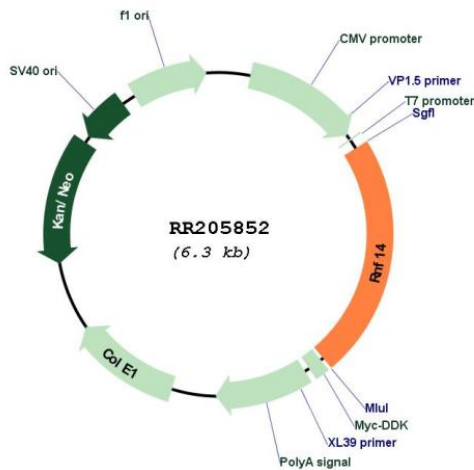
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034995

ORF Size: 1437 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_001034995.1](#), [NP_001030167.1](#)

RefSeq Size: 2965 bp

RefSeq ORF: 1440 bp

Locus ID: 619577

Cytogenetics: 18p11

MW: 54.1 kDa