

Product datasheet for **MG207766**

Rnf14 (NM_020012) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf14 (NM_020012) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf14
Synonyms:	2310075C09Rik; 2610005D23Rik; AA986456; AU041447; D7Bwg0165e; D18Ertd188e; Triad2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207766 representing NM_020012
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGCAGAAGACCTGGAAGCCAGGAGGATGAACTACTGGCCCTGGCGAGTATTTATGATGCGGATG
 AATTTAGAAAAGCTGAGTCTGTCCAAGGAGGAGAAACCAGGATCTATTTGGATCTGCCACAGAATTTTAA
 GATATTCGTGAGCGCAATTCAAATGAGTCTCTCCAGAATAGTGGCTTTGAATACACCATTTGCTTTCTG
 CCACCACTTGTGCTGAACTTTGAACTGCCACCAGATTATCCATCCTCCTCCACCTTCATTACACTTA
 GTGGCAAATGGCTGTACCAACTCAGCTCTCTGCTCTCTGCAAGCACCTAGACAACCTGTGGGAAGAACA
 CCGAGGCAGAGTGGTCTGTTTGCCTGGATGCAGTTTCTTAAGGAGGAGACCCCTCACCTACCTGAATATT
 GTCTCTCCTTTTGTAGCTCAAGATGGGGTCTCAGAAAAAGTTAGAGAAGGGCAACAGCCCAGGCCTCTT
 CCAGCACAGAGCTTGGTGTGGGAGGAGCTGCTGCGCGGATGTAGACCAAGAAGAACTGTGGATGAGAG
 AGCTGTACAGGATGTAGAGTCATTGTCAAGTCTGATCCAGGAGATCTTGGACTTCAATCAAGCTCGGCAG
 ACGAAGTGCTTCAATAGTAACTGTTCTTGTGCAGCATCTGTTTCTGTGAGAAGCTGGGTAGTGATTGCA
 TGTACTTCTTGGAGTGAAGCATGTATACTGCAAAGCCTGTCTGAAGGATTACTTTGAAATCCAGATCAA
 AGATGGTCAAGTTAAATGCCTCAACTGTCCAGAGCCACAGTGCCTTTCAGTGGCGACTCCTGGTCAGGTC
 AAAGAGCTGGTAGAAGCAGACTTGTTCGCTCGCTATGACCGTCTCCTCCTGCAGTCTACCTTGGATCTAA
 TGGCAGATGTGGTGTATTGTCCCGTCCATGCTGCCAGCTCCCTGTGATGCAAGAGCCTGGTGGTACCAT
 GGCTATCTGCTCCAGTGCATTTTGCCTTCTGTACCTTATGCAGACTGACCTATCACGGCTTTCTCCA
 TGTAAGGTAAGTGCAGAGAAATTAATAGACTTACGAAATGAATACCTACAAGCAGATGAAGCTACTAAGA
 GGTTCTTGGAAACAGAGGTATGGCAAGAGGGTGATTCAGAAGGCCCTGGAGGAGATGGAAAGTAAAGAG
 GCTGGAGAAGAAGTCCAAGAGCTGCCCTGCTGTGGCACACCCATACAGAAATTAGACGGCTGCAACAAG
 ATGACTTGCAGTGGTGTATGCAGTATTTCTGCTGGATTTGCATGGGTTCTCTCTCGAGCAAATCCTT
 ACAGACATTTCACTGATTCTGAGTCTCCATGCTTAAACAGGTTGTTCCATGCCGTGGATATTAATGGTGA
 TATGTGGGAAGATGAAATTGAGGAGGACGACGATGATGAAGACGACGACGACGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207766 representing NM_020012
 Red=Cloning site Green=Tags(s)

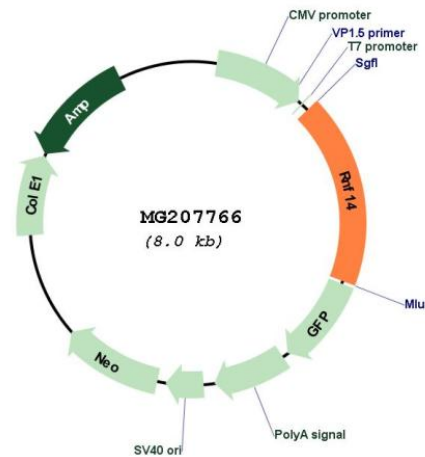
MSAEDLEAQEDELALASIYDADEFKRAESVQGGETRIYLDLPQNFKIFVSGNSNESLQNSGFYEITICFL
 PPLVLNFELPPDYPPSSPPSFTLSGKWLSPQLSALCKHLDNLWEEHRGRVVLFAWMQFLKEETLYLNI
 VSPFELKMGSKKQRRATAQASSSTELGVGAAAADVDQEETVDERAVQDVESLSSLIQEILDFNQARQ
 TKCFNSKLFCSICFCEKLGSDCMYFLECKHUYCKACLKDYFEIQIKDGQVKCLNCPPEPQCPVATPGQV
 KELVEADLFARYDRLLLQSTLDLMADVVCPRPCCQLPVMQEPGGTMAICSSCNFAFCTLRLTYHGLSP
 CKVTAEKLIDLRNEYLQADEATKRFLEQRYGKRVIQKALEEMESKDWLEKNSKSCPCCGTPIQKLDGCNK
 MTCTGCMQYFCWICMGSLSRANPYRHFTDSESPCFNRLFHAVDINGDMWEDEIEEDDDDDDDDD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_020012

ORF Size: 1455 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_020012.2](#)

RefSeq Size: 2940 bp

RefSeq ORF: 1458 bp

Locus ID: 56736

UniProt ID: [Q9JI90](#)

Cytogenetics: 18 20.2 cM

Gene Summary: Might act as an E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes and then transfers it to substrates, which could be nuclear proteins. Could play a role as a coactivator for androgen- and, to a lesser extent, progesterone-dependent transcription (By similarity).[UniProtKB/Swiss-Prot Function]