

## Product datasheet for **MG218588**

### **Rnf14 (NM\_001164621) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnf14 (NM_001164621) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf14
Synonyms:	2310075C09Rik; 2610005D23Rik; AA986456; AU041447; D7Bwg0165e; D18Erttd188e; Triad2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG218588 representing NM\_001164621  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGCAGAAGACCTGGAAGCCAGGAGGATGAACTACTGGCCCTGGCGAGTATTTATGATGCGGATG  
 AATTTAGAAAAGCTGAGTCTGTCCAAGGAGGAGAAACCAGGATCTATTTGGATCTGCCACAGAATTTTAA  
 GATATTCGTGAGCGCAATTCAAATGAGTCTCTCCAGAATAGTGGCTTTGAATACACCATTTGCTTTCTG  
 CCACCACTTGTGCTGAACTTTGAACTGCCACCAGATTATCCATCCTCCTCCACCTTCATTACACTTA  
 GTGGCAAATGGCTGTACCAACTCAGCTCTCTGCTCTCTGCAAGCACCTAGACAACCTGTGGGAAGAACA  
 CCGAGGCAGAGTGGTGTGTTTGCCTGGATGCAGTTTCTTAAGGAGGAGACCCTCACCTACCTGAATATT  
 GTCTCTCCTTTTGTAGCTCAAGATGGGGTCTCAGAAAAAGTTAGAGAAGGGCAACAGCCCAGGCCTCTT  
 CCAGCACAGAGCTTGGTGTGGGAGGAGCTGCTGCGCGGATGTAGACCAAGAAGAACTGTGGATGAGAG  
 AGCTGTACAGGATGTAGAGTCAATGTCAAGTCTGATCCAGGAGATCTTGGACTTCAATCAAGCTCGGCAG  
 ACGAAGTGCTTCAATAGTAACTGTTCTTGTGCAGCATCTGTTTCTGTGAGAAGCTGGGTAGTGATTGCA  
 TGTACTTCTTGGAGTGAAGCATGTATACTGCAAAGCCTGTCTGAAGGATTACTTTGAAATCCAGATCAA  
 AGATGGTCAAGTTAAATGCCTCAACTGTCCAGAGCCACAGTGCCTTTCAGTGGCGACTCCTGGTCAGGTC  
 AAAGAGCTGGTAGAAGCAGACTTGTTCCTCGCTATGACCGTCTCCTCCTGCAGTCTACCTTGGATCTAA  
 TGGCAGATGTGGTGTATTGTCCCGTCCATGCTGCCAGCTCCCTGTGATGCAAGAGCCTGGTGGTACCAT  
 GGCTATCTGCTCCAGCTGCAATTTTGCCTTCTGTACCTTATGCAGACTGACCTATCACGGCTTTCTCCA  
 TGTAAGGTAAGTGCAGAGAAATTAATAGACTTACGAAATGAATACCTACAAGCAGATGAAGCTACTAAGA  
 GGTTCTTGGAAACAGAGGTATGGCAAGAGGGTGATTCAGAAGGCCCTGGAGGAGATGGAAAGTAAAGATG  
 GCTGGAGAAGAAGTCCAAGAGCTGCCCTGCTGTGGCACACCCATACAGAAATTAGACGGCTGCAACAAG  
 ATGACTTGCAGTGGTGTATGCAGTATTTCTGCTGGATTTGCATGGGTTCTCTCTCGAGCAAATCCTT  
 ACAGACATTTCACTGATTCTGAGTCTCCATGCTTAAACAGGTTGTTCCATGCCGTGGATATTAATGGTGA  
 TATGTGGGAAGATGAAATTGAGGAGGACGACGATGATGAAGACGACGACGACGAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG218588 representing NM\_001164621  
 Red=Cloning site Green=Tags(s)

MSAEDLEAQEDELALASIYDADEFKRAESVQGGETRIYLDLPQNFKIFVSGNSNESLQNSGFYEITICFL  
 PPLVLNLFELPPDYPPSSPPSFTLSGKWLSPQLSALCKHLDNLWEEHRGRVVLFAWMQFLKEETLYLNI  
 VSPFELKMGSKKQRRATAQASSSTELGVGAAAADVDQEETVDERAVQDVESLSSLIQEILDFNQARQ  
 TKCFNSKLFCSICFCEKLGSDCMYFLECKHUYCKACLKDYFEIQIKDGQVKCLNCPPEPQCPQSVATPGQV  
 KELVEADLFARYDRLLLQSTLDLMADVVCPRPCCQLPVMQEPGGTMAICSSCNFAFCTLRLTYHGLSP  
 CKVTAEKLIDLRNEYLQADEATKRFLQRYGKRVIQKALEEMESKDWLEKNSKSCPCCGTPIQKLDGCNK  
 MTCTGCMQYFCWICMGSLSRANPYRHFTDSESPCFNRLFHAVDINGDMWEDEIEEDDDDDDDDD

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001164621

**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\\_001164621.1](#), [NP\\_001158093.1](#)

**RefSeq Size:** 3369 bp

**RefSeq ORF:** 1458 bp

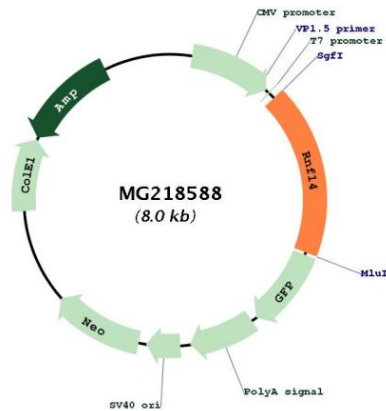
**Locus ID:** 56736

**UniProt ID:** [Q9J190](#)

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]

**Product images:**



Circular map for MG218588