

Product datasheet for **MR218588**

Rnf14 (NM_001164621) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf14 (NM_001164621) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf14
Synonyms:	2310075C09Rik; 2610005D23Rik; AA986456; AU041447; D7Bwg0165e; D18Ertd188e; Triad2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218588 representing NM_001164621
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGCAGAAGACCTGGAAGCCAGGAGGATGAACTACTGGCCCTGGCGAGTATTTATGATGCGGATG
 AATTTAGAAAAGCTGAGTCTGTCCAAGGAGGAGAAACCAGGATCTATTTGGATCTGCCACAGAATTTTAA
 GATATTCGTGAGCGCAATTCAAATGAGTCTCTCCAGAATAGTGGCTTTGAATACACCATTGCTTTCTG
 CCACCCTTGTGCTGAACTTTGAACTGCCACCAGATTATCCATCCTCCTCCACCTTCATTACACTTA
 GTGGCAAATGGCTGTACCAACTCAGCTCTCTGCTCTCTGCAAGCACCTAGACAACCTGTGGGAAGAACA
 CCGAGGCAGAGTGGTCTGTTTGCCTGGATGCAGTTTCTTAAGGAGGAGACCCCTCACCTACCTGAATATT
 GTCTCTCCTTTTGTAGCTCAAGATGGGGTCTCAGAAAAAGTTAGAGAAGGGCAACAGCCAGGCCCTCTT
 CCAGCACAGAGCTTGGTGTGGGAGGAGCTGCTGCGCGGATGTAGACCAAGAAGAACTGTGGATGAGAG
 AGCTGTACAGGATGTAGAGTCAATGTCAAGTCTGATCCAGGAGATCTTGGACTTCAATCAAGCTCGGCAG
 ACGAAGTCTTCAATAGTAACTGTTCTTGTGCAGCATCTGTTTCTGTGAGAAGCTGGGTAGTGATTGCA
 TGTACTTCTTGGAGTGAAGCATGTATACTGCAAAGCCTGTCTGAAGGATTACTTTGAAATCCAGATCAA
 AGATGGTCAAGTTAAATGCCTCAACTGTCCAGAGCCACAGTGCCTTTCAGTGGCGACTCCTGGTCAGGTC
 AAAGAGCTGGTAGAAGCAGACTTGTTCCTCGCTATGACCGTCTCCTCCTGCAGTCTACCTTGGATCTAA
 TGGCAGATGTGGTGTATTGTCCCGTCCATGCTGCCAGCTCCCTGTGATGCAAGAGCCTGGTGGTACCAT
 GGCTATCTGCTCCAGCTGCAATTTTGCCTTCTGTACCTTATGCAGACTGACCTATCACGGCTTTCTCCA
 TGTAAGGTAAGTGCAGAGAAATTAATAGACTTACGAAATGAATACCTACAAGCAGATGAAGCTACTAAGA
 GGTTCTTGGAAACAGAGGTATGGCAAGAGGGTATTGAGAAGCCCTGGAGGAGATGGAAAGTAAAGAG
 GCTGGAGAAGAAGTCCAAGAGCTGCCCTGCTGTGGCACACCCATACAGAAATTAGACGGCTGCAACAAG
 ATGACTTGCAGTGGTGTATGCAGTATTTCTGCTGGATTTGCATGGGTTCTCTCTCGAGCAAATCCTT
 ACAGACATTTCACTGATTCTGAGTCTCCATGCTTAAACAGGTTGTCCATGCCGTGGATATTAATGGTGA
 TATGTGGGAAGATGAAATTGAGGAGGACGACGATGATGAAGACGACGACGACGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218588 representing NM_001164621
 Red=Cloning site Green=Tags(s)

MSAEDLEAQEDELALASIYDADEFKRAESVQGETRIYLDLPQNFKIFVSGNSNESLQNSGFETYICFL
 PPLVLNFELPPDYPPSSPPSFTLSGKWLSPQLSALCKHLDNLWEEHRGRVVLFAWMQFLKEETLYLNI
 VSPFELKMGSQKVVRRATAQASSSTELGVGAAAADVDQEETVDERAVQDVESLSSLIQEILDFNQARQ
 TKCFNSKFLCSICFCEKLGSDCMYFLECKHVYCKACLKDYFEIQIKDQVKCLNCEPQCPSPVATPGQV
 KELVEADLFARYDRLLLQSTLDLMADVVCPRPCCQLPVMQEPGGTMAICSSCNFAFCTLRLTYHGLSP
 CKVTAEKLIDLRNEYLQADEATKRFLEQRYGKRVIQKALEEMESKDWLEKNSKSCPCCGPIQKLDGCNK
 MTCTGCMQYFCWICMGSLSRANPYRHFTDSESPCFNRLFHAVDINGDMWEDEIEEDDDDEDDDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

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

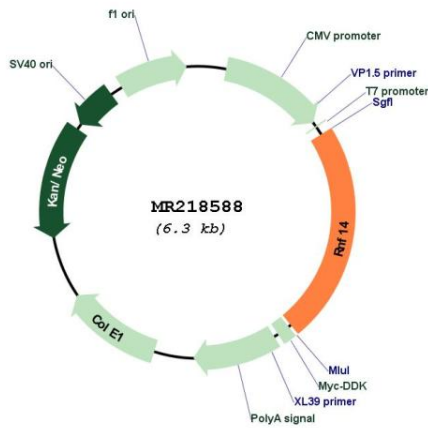
UniProt ID: [Q9J190](#)

Cytogenetics: 18 20.2 cM

MW: 55.4 kDa

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 MR218588