

Product datasheet for **MR207408**

Rnf38 (NM_001038993) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf38 (NM_001038993) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf38
Synonyms:	1700065B19Rik; 2610202O07Rik; AA673263; Oip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207408 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAGAGAGTGAAGATAGTCCAAGTCTAAGAGACAGCGCCTCTCTCATTAGCTTTGATTATACAT
 CAGCATACCAGCTCCCTCACCACCAATGCGACCATGGGAGATGACATCAAATAGGCAGCCCCCTCAGT
 TCGACCAATCAACATCACTTCTCAGGGGAACGCTGTAACACACCTGCACGCAACAGAAGAAGTCTCCT
 GTTAGGGCTCAGCGAGGAAGAAGGGAACGCTGTCTCGACATAATTCCATTAGTCAAGATGAAAACATC
 ACCATCTCCCTTATGCACAGCAGCAAGCAATAGAGGAACCTCGAGCCTTCCACCCCTCCGAATGTATCTCC
 CCGTCTGTACATCCAGCTGCCATCCCCCAGCAGAATGCAGTCATGGTTGACATACATGATCAGCTC
 CATCAAGGAACAGTTCCTGTCTCTACACGGAACACTACGGTGGCACCCCATGGGCTTCCACTCTGCACTG
 GCCAGCACATCCCTGCTGCAGTACACAGCAGGTCCAGGATGCTCGGTGGTTTTAGTGGACAACACCT
 CCCCCTGTAGTGTGCCTCCTCAATGCTTCAGGCATGTTAGTTCAGCACTTACCAGTACCATATGCT
 GGGTCCCGCCCTCATTCTAGCGATCCGTTTCTATACATCCTCCTCATCTTTCTCCCATCATCCTC
 CCCACTTGCCACCACCAGGCCAATTTGTCCTTTCCAAACACAGCAGTCACGATCGCCTCTCGAGAGGAT
 AGAAAAAGAAGTGGAGCTTTAGGAGAACATCTCAAGTAGGCAGTTTTACTTATCCCCCTTCAGCCAT
 CCCCCAACATTACCTCCGTCAGCTCCTTTGAGTTCCTGACACATGACCCCTTGCATCAGGAGGTGTCT
 TTGGAGTACCTTACCCACATTTATGCCTCGGAGACTCACAGGACGTAGTAGATACCGATCCCAGCAGCC
 AATGCCCTCCTCCTTACCATCCAGCTTACTACCATACGTGCTATCAATGCTTCCAGTACCACCTGCA
 GTGGGCCAACCTTCAGCTTTGAATTAGATGTAGAAGCGGAGAAGTTGAAAATTATGAGGCCCTGTAA
 ACTTGGCGGAGAGACTGGGAGAGCGGAAACCTCGGGGACTGACTAAAGCAGATATTGAACAGCTTCCCTC
 GTACAGGTTCAATCCTAGCAACCACAGTCAGAGCAGACTTTGTGTAGTATGCATGTGTGATTTTGGAG
 TCAAGGACGTTCTTAGAGTCTTACCTGTAACCACGAGTTCATGCCAAGTGTGTTGATAAATGGCTTA
 AGGAAACCGTACCTGCCAATTTGCCGAGCTGATGCTTCAGAAGTGCATCGCGATTCAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207408 protein sequence
 Red=Cloning site Green=Tags(s)

MRESEDSPSPKRQRLSHSVFDYTSASPAPSPMPRPWEMTSNRQPPSVRPNQHHFSGERCNTPARNRRSPP
 VRRQRGRERLSRHNSISQDENYHHLPYAQQQAIEEPRAFHPNPVSPRLLHPPAAHPPQNAVMDIHDQL
 HQGTVPVSYTVTAVPHGLPLCTGQHIPACSTQQVPGCSVVFSGQHLPVCSVPPMLQACSVQHLVPVYA
 AFPPLISSDPFLIHPPHLSPHHPPHLPVPPGQFVFPFQTQQSRSPQLRIENEVELLGEHLQVGSFTYPPSAH
 PPTLPPSAPLQFLTHDPLHQEVSFVPPYPPFMPRRLTGRSRYRSQQMPPPPYHPSLLPYVLSMLPVPPA
 VGPTFSFELDVEDGEVENYEALLNLAERLGEAKPRGLTKADIEQLPSYRFNPSNHQSEQTL CVVCMCDFE
 SRQLLRVLPCHNEFHAKCVDKWLKGNRTCPICRADASEVHRDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001038993

ORF Size: 1395 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 Size: 4959 bp

RefSeq ORF: 1299 bp

Locus ID: 73469

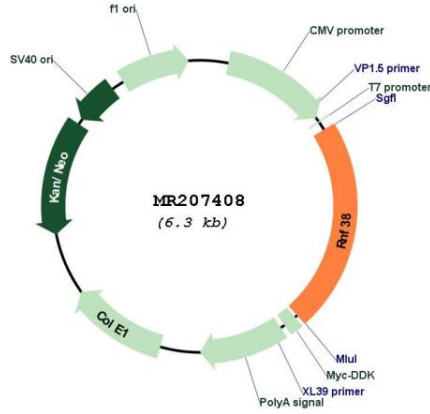
Cytogenetics: 4 B1

MW: 52.2 kDa

Gene Summary:

Acts as an E3 ubiquitin-protein ligase able to ubiquitinate p53/TP53 which promotes its relocalization to discrete foci associated with PML nuclear bodies. Exhibits preference for UBE2D2 as a E2 enzyme.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207408