

Product datasheet for **MR220470**

Rnf133 (NM_198251) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf133 (NM_198251) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf133
Synonyms:	Greul2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220470 representing NM_198251 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAATCCTCTTCAGACCAGTACTTGGCAAAACCAAGCTCCATCTTTCTGGCTTCTGAGATTCAGTTTAA
TCTGGCTCGTCAGTCAGAAATGTTGTACAGCCAGTGCAGTTTGGACTGCGTACATGAACATATCATTTC
TGTGGGAACCGCATGCTGTCAGAGCTGGGGGAGACCGGGTCTTCGGAAGAAGCTCCATCTTGAAGAGA
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TGCCACGGAACAAAGAGCCCTGGATCGCACTCATTGAACGGGAGGTTGTGCCTTCACACAGAAATTA
GGTGGCATCTGAGCACGGAGCCAGAGGAGTGATCATCTATAATTTCCAGGTAAGCAACCAAGGTTTC
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TTTATCACATTCGGAGACTTTGGGTGGCAAGAATTGAGAACAGGAGATGGAAGCGATTAACAAGAGAGCT
CAAGAAAGCTTTTGGCAGCTGCAAGTTCGAGTATTAAGAAGGGGATGAAGAAGTTAATCCAAATGCT
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TTTCCACAAGAATTGCATTGACCCCTGGATTCTAGCCACGGGCATGCCCCATGTGCAAAATGTGACAT
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GGAACCAAGTCATCTTCACATGGACAGCAAGTCCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR220470 representing NM_198251
 Red=Cloning site Green=Tags(s)

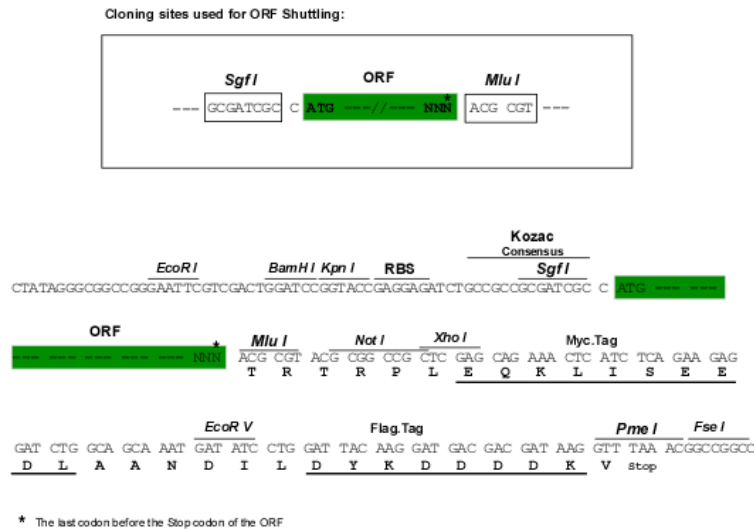
MNPLQTSTWQNQAPSWLLRFSFIWLVSQKCCTASAVWTAYMNI SFHVGNRMLSELGETGVFGRSSILKR
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 PMSHQAFEDIVVVMIGNIKAYFTFYHIRRLWVARIENRRWKRLTRELLKAFGQLQVRVLKEGDEEVNPN
 DSCVICFEAYKPNEIVRILTCKHFFHKNCIDPWILAHGTCMPCKDILKALGIQMDIEDGDSLQVLM
 SNELPGT LSPVEEETNYELPPARTSSKVTHVQEHPTSSANAGSQPPEAEETSHPSHGQQVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9020_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198251

ORF Size: 1017 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_198251.2, NP_937894.1

RefSeq Size: 1308 bp

RefSeq ORF: 1020 bp

Locus ID: 386611

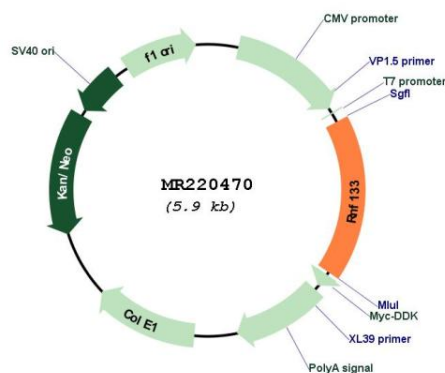
UniProt ID: Q14B02

Cytogenetics: 6 A3.1

MW: 38.6 kDa

Gene Summary: Has E3 ubiquitin-protein ligase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220470