

Product datasheet for **MR221349**

Rnf150 (NM_177378) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf150 (NM_177378) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf150
Synonyms:	A630007N06Rik; C030044C12Rik; Greul5; mKIAA1214
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221349 representing NM_177378
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAATGTCTCTCATCCAAGCGTGCCGAGTCTGGCTCTCTCAACATGGCTGCTTTCCTTTGTTTCG
 TGCATCTGCTCTGCCTGGACTTCACCGTGGCGGAGAAGGAGGAATGGTACACCGCCTTCGTGAACATCAC
 CTATTTGGAGCCCGAGCCCGGGGCGCGGTGGCGGGCAGCGGTGGCGGCGCGGAGCTGCACACGGAGAAG
 AGCGAGTGCAGGCGATACGGGGAGCACTCGCCCAAGCAGGACGCGCGGCGAGGTGGTATGGCCAGCT
 CGGCCCAAGACCGCTGGCTTGCAGCCCAACACCAAGTTCGCCGCGCGGCCACGGCAAGCACTGGAT
 AGCCCTCATCCCCAAGGGCACTGCACGTACAGGGATAAGATCCGGAACGCGTTCCTGCAGAACGCTCC
 GCTGTGGTATCTTTAACGTGGGCTCAACACAAACGAGACCATCACCATGCCCCACGAGGTGTGGAAG
 ACATCGTGGCTATAATGATTCTGAGCCCAAAGGAAGGAGATAGTGAGCCTGCTGGAAGGAACATCAC
 CGTGACGATGTACATCACCATCGGCACCCGGAAGTTCGAAAAATATGTGAGCCGACGTCGGTTGTGTTT
 GTCTCCATCTCCTTCATTGTCTGATGATCATTCTCTGGCATGGCTGGTCTTTTATTATATCCAGAGGT
 TTCGGTATGCAATGCCAGGGACAGGAACAGCGCCGACTGGGAGATGCAGCAAGAAAGCCATCAGCAA
 GCTCCAGGTGAGGACCATCAGGAAGGGTGACAAGGAAACAGAGTCCGATTTTGATAACTGTGCAGTCTGC
 ATAGAGGGGTACAAGCCCAACGATGTGGTCAGGATCCTGCCCTGCCGGCATCTTTTCCACAAGTCTGTG
 TTGACCCCTGGCTTCTAGACCATCGACCTGCCCCATGTGCAAGATGAACATTCTTAAGGCCCTAGGGAT
 CCCGCCAATGCTGACTGCATGGATGACTTGCCCATGATTTTGGGGCTCTCTAGGAGGCCACCAACC
 AATCAAATCACAGGAGCCAGCGACACAAGTGTCAATGAGAGCTCTGTCACTCTGGACCTGCTGTGCGGA
 CAGTGGGAGCCCTGCAGGTGGTCCAGGACCCAGACCCTGCTCTCAGGAGGGAAGCCATCTTTACAAC
 TAACAGTGGTCAAGAGCCAGCACTGAGCAGTGACTCTGACATCTCATTAAATTATGCACTGGAAGTGGG
 CTGTCTGATGTAGAACTTCCACTGACCAAGACTGCGAGGAGGTGAAATCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221349 representing NM_177378
 Red=Cloning site Green=Tags(s)

MTMSLIQACRSLALSTWLLSFCFVHLLCLDFTVAEKEEWYAFVNITYLEPEPAAVAGSGGGAELHTEK
 SECGRYGEHSPKQDARGEVVMASQAQDLACDPNTKFAAPAHGKHIALIPKGNCTYRDKIRNAFLQNAS
 AVVIFNVGSNTNETITMPHAGVEDIVAIMIPEPKGKEIVSLLERNITVTMYITIGTRNLQKYVSRTSVVF
 VSISFIVLMIISLAWLVFYIIRFRYANARDRNQRRLGDAAKKAIKSLQVRTIRKGDKETESDFDNCAVC
 IEGYKPNDDVVRILPCRHLFHKSCVDPWLLDHRTCPMCKMNILKALGIPPNADCMDDLPIDFEGLGGPPT
 NQITGASDTTVNESSVTLDPAVRTVGALQVVQDPAPQEGEAIFFTNSGQEPALSSDSISLIMALEVG
 LSDVELSTDQDCEEVKS

SGPTRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

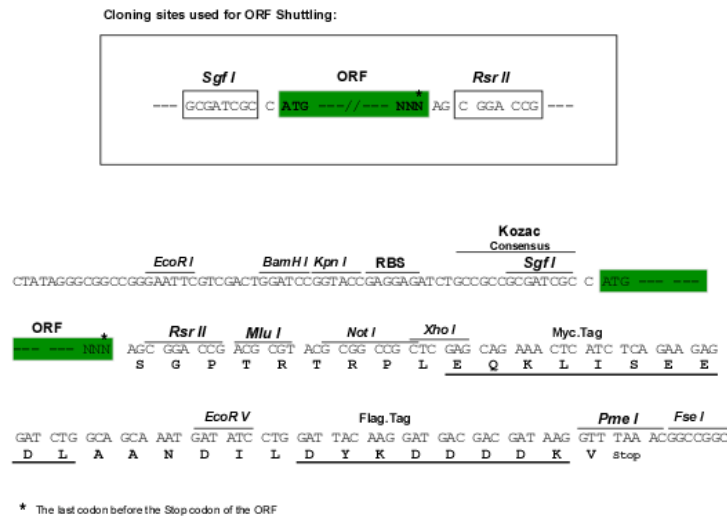
Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_g07.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: NM_177378

ORF Size: 1311 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_177378.4](#), [NP_796352.2](#)

RefSeq Size: 9685 bp

RefSeq ORF: 1314 bp

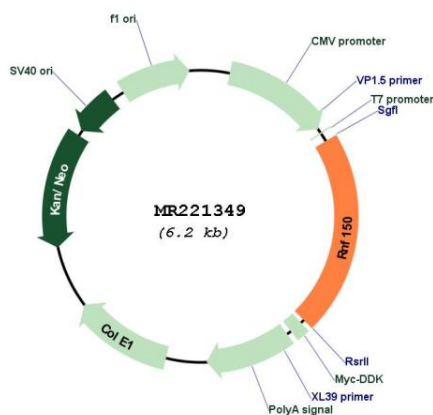
Locus ID: 330812

UniProt ID: Q5DTZ6

Cytogenetics: 8 C2

MW: 48.5 kDa

Product images:



Circular map for MR221349