

Product datasheet for **MC206979**

Rnf144b (NM_001170643) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf144b (NM_001170643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf144b
Synonyms:	BC025007; E130105P19Rik; lbrdc2; Pir2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206979 representing NM_001170643. Blue=ORF Red=Cloning site Green=Tag(s)

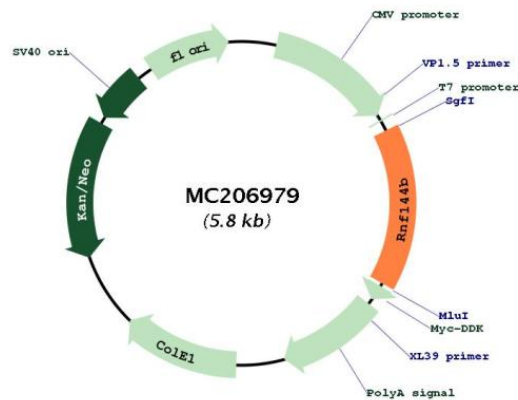
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACTCCGTCGATGGGCTCCAGTGTCTGACCATGACTGCGGAAAACCCACCCTCTGGAGACCTGATT
CCCGCCCCGTCGTCACCTGCAAGCTCTGCCTGTGTGAACAGTCTCTGGACAAGATGACCATGCTCCAA
GAGTGCCAGTGTATCTTTGTACACCCTGCCTGAAACAGTATATGGTGTGTCAATCCGAGAAGGCTGT
GGATCTCCTATCACTTGCCTGACATGGTGTGCCTAAACCACGGGACCCTGCAGGAAACCGAGATTGCC
TGTTTGGTGCCTCTGGATGAGTTTCAGCTGTATCAGCGGCTCAAGTTTGAACGAGAGGTTACATGGAC
CCCCTCCGGACATGGTGTCTGTGCAGACTGCCAGACCGTGTGCCATATTTAGCCGGAGACCCAGGC
CAGCCAGTGTGGTGGAGTGCCCTTCTTGCCACCTGAAATTCTGCTCATGTTGCAAGGATGCTTGGCAC
GAGGAGTCTTCTGTAGAGACAGCCAGTCGGCGATGCCAGAGCATGGGGCTCTCTTTGGAACGGATGCG
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GCCTCTCCCTGTATAATCTGCTGTGTCTGCAAGTCTGTGCGGCAAGAAGAAAAAGCATGATCCATCC
ACAACCTAA
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001170643

Insert Size: 906 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001170643.1](#)

RefSeq Size: 4540 bp

RefSeq ORF: 906 bp

Locus ID: 218215

UniProt ID: [Q8BKD6](#)

Cytogenetics: 13 A5

MW: 33.5 kDa

Gene Summary: E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates such as LCMT2, thereby promoting their degradation. Induces apoptosis via a p53/TP53-dependent but caspase-independent mechanism. However, its overexpression also produces a decrease of the ubiquitin-dependent stability of BAX, a pro-apoptotic protein, ultimately leading to protection of cell death; But, it is not an anti-apoptotic protein per se (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.