

Product datasheet for **MR216330**

Rnase2b (NM_019398) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Rnase2b
Synonyms:	Ear5; mR5; Raf4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR216330 representing NM_019398
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCTGAAGCTGCTTGAATCCAGACTTTGTCTCCTGCTGCTGCTGGGACTTGTCCTAACGCTTGTCT
CATGCCAGCGACCAACCCCTTCCCAGAAGTTTGACATCCAGCATATCTATAAGAAATCCTCTCCCAAATG
TGATGATGCAATGCGGGTCGTTAACAAGTATACAGGAAATGTAAGGACTTGAATACTTTCTTCATACA
ACTTTTGCTGATGTTGTCCGTGTGTGTCACAATCCACCAAGACTTGCAAAGACGGGACAAGTCCAAATT
GTCATGATAGTTTCATCTAAGGTATCTGTAACATCTGTAACTCAGAAACGGGCAAGGAATTATACCCA
CTGCAGATACAAAACAACAGGAGCAAGAAGTCTACACAGTTGCCTGTAACCCAGAACTCCAAAGGAC
CGTCCACCTATCCAGTAGTTCGGTTCCTTGGATCGGCTATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9050_h02.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_019398

ORF Size: 465 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).

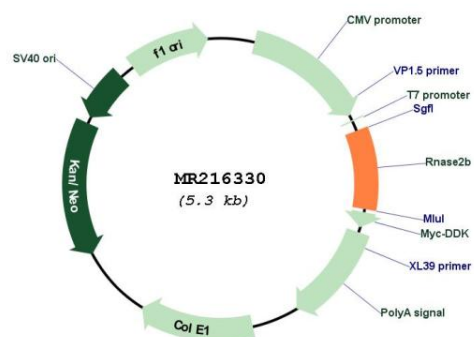
Reconstitution Method:

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:	<u>NM_019398.2, NP_062271.2</u>
RefSeq Size:	759 bp
RefSeq ORF:	468 bp
Locus ID:	54159
UniProt ID:	<u>O35292</u>
Cytogenetics:	14 C1
MW:	18 kDa

Gene Summary: This is a non-secretory ribonuclease. It is a pyrimidine specific nuclease with a slight preference for U. Cytotoxin and helminthotoxin. Possesses a wide variety of biological activities.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216330