

Product datasheet for **RR212667**

Rnasel (NM_182673) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnasel (NM_182673) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnasel
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212667 representing NM_182673
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCAGGATCATAGCACCTCAGTGTGGATCCGCATCAGCAGGTGGTCAGAAGACCGTTGGCA
 AAGATGATTATTTGTTGATAGAAGCTGTTAACAAAGGGAGATGCTGACAGGTCCAGCAATTGTTAGAACA
 AGGGGCTGATGCCAATGTCTGTGAAGAATCTGGGGCTGGACACCTTTGCACAACCGGTGCAGTCTGGC
 AGGGTAGATATTGTGAATCTCCTGCTTCGTTATGGTGCTGACCCTCATCGGAGGAAGAAGAATGGGGCCA
 CCCCCTTCATCGTTGCTGGGATCTGTGGAGATGTGAGTCTGCTCCAGATTTCTCTCTCGAGGTGCAAA
 CATCAATGAGCGTGACATGTACGGATTCACGGCTTTCATGGAAGCTGCTGAGTATGGTAACGTTGAAGCC
 CTAATAATCCTTTTTGCTGAAGGGGCCGATGTGAATTTGAGACGGGAGACAACGGAGGACAGAAGGGCAG
 TGAAGCAAGGAGGGGCCACGGCTCTCATGAGCGCTCGGAGAATGGCCACCCGGAAGTCGTGAGAATTCT
 CCTCGATGAAATGAAGGCAGAAGCCGATGCTCGGACAATATGGGCAGAAATGCCTTGATCCGTTCTCTG
 CTGAACCGCGATTGTGAAAATGTTGAAAATTCATGTGGAGGAGATCACTTCAGTTCTGATCAATACGGCG
 CTGATATTAATGTGAGAGGGGAAGGTGAGAAGACACCTCTGATCTCAGCAGTGAAGAGGAAGCACACAGG
 TTTGGTGAGATGCTCCTGAGTCAGGAGGGCATAAAGGTGAATGACAGAGATAGCAGGGCAAGACGGCG
 CTGCAAAATGCTGTTGAACTCAAACCTGAAGGAAATCGTCCGGTTGCTTCTGAAAAGGGAGCCGATACCA
 AGTGTGGCGATCTTGTGGATAGCCAAGAGGAATATGACCATGGTCTAGTAAAACCTTCTCTCTCGTA
 TGAAGCTAATCACGACACCAACCTCCTGCTAAAGACTGGTGCCTCACAGTGCACGCTGGGGGGAGGCC
 TTGAAAGACTCCACAGTGTGTCTCGACCCATGACTGGCAAACTCAAGATCTTCATGAATGATGACTATA
 AAATTGCCAGCACTTCTGAAGGGGGCATCTACCTAGGGATCTATGACAATCGAGAGGTGGCTGTGAAGGT
 CTTCTGTGAGAATAGCTCACGTGGACGTAAGGAAGTCTTGTCTGCGGGACTGTGGAGACCACAGTAAC
 TTAAGTACTTTCTATGGAAGCGAGGAGCACAAGGGCAGTTTATATGTGTGTGTGCCCTGTGTGAGTCTGA
 CATTGAAAAGTTCTGAATGTGCCAGAGAGGAACCTATGGAGAAAGGGGAAGACAAGTTTGCCCTCAG
 TGTCTATTGTCTATATTTAAGGGTGTCAAAAACCTACACATGCATGGATATCCCATCAGAACCTGCAA
 CCGCCAAACATCTTAATAGATTCTGAGAAAGCTGTCCGGCTGGCAGATTTTGATGAGAGCATCCAGTGGA
 TGAGAGAGTCACAGACGGTCCAGAGAGACTTGGAGACCTTGGACGACTGGTTCTCTATGTGGTAAACAA
 AGGTGAGATCCCCTTTGAGACACTGAAGGGTCAAGATGATGAAGAATTGCTTACGATCGTCCAAATGAG
 GAGACTAAGGACCTCGTTCATTGCTGTTTTCTCCTGGAGAAAATGTAAGAAGTGTCTGATGGACCTGC
 TTGGCCATCCTTTCTTTTGGACTTGGGAGAACCCTATAGAACGCTTCGGGATGTGGGAAATGAATCTGA
 CATCAAAGTACGAAATAATAAAAGTAAACTTCTCAAGCTACTGCAGCCTCAGACACACGGCCCTCCAGA
 AGCTTTGATCGGTGGACGTCTAAGATCGACAAACGTGTCATGTCTGACATGAATGGTTTCTATAAATCCC
 GAAAGGGTTATCGGGATACTGTAGGTGATCTGCTGAAGTTTATTCGGAATATAGGAGAACACATCAATGA
 GGAAAAAACAGGCAAAATGAAGGAGATACTTGGAGACCTTCTCGTTATTTTCAGGAGACATTTCCAGAT
 CTTGTAATCTATATCTACAAGAACTAAAGGAAACGGAATTCAGAAAACACTTTCCTCAGCCTCCACCAA
 GCCTCAGCGTGCCAGAGGCAGCGGGACCAGGGGTGTACAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RR212667 representing NM_182673
 Red=Cloning site Green=Tags(s)

METTDHSTPQCGSASAGGQKTVGKDDYLLIEAVNKGADRVQQLLEQGADANVCEESGGWTPLHNAVQSG
 RVDIVNLLRLRYGADPHRRKKNKNGATPFIVAGICGDVSLQLIFLSRGANINERDMYGFATFMEAAEYGNVEA
 LKFLFAEGADVNLRRRETTEDRRRLKQGGATALMSAAENGHPEVVRILLDEMKAADARDNMGRNALIRSL
 LNRDCENVEIHVEEITSVLIQYGADINVRGEKEKTP LISAVKRKHTGLVQMLLSQEGIKVNRDRDSEGKTA
 LQIAVELKLEIVRLLLEKGDATKCGDLVWIAKRNYDHGLVKLLLSYEANHDTNPPAKDWLPHSARWGEA
 LERLHSVSRPMTGKLIKIFMNDYKIASTSEGGIYLG IYDNREVAVKVFCENS SRGRKEV SCLRDCGDHSN
 LLTFYGS EEHKGS LYVCVSLCESTLEKFLNVPREEMKEDKFA SVLLSIFKGVQKLHMHGYS HQNLQ
 PPNILIDSEKAVRLADFDESIQWMRESQTVQRDLEDLGRVLVYVVKGEIPFETLKGQND EELLTIAPNE
 ETKDLVHCLFSPGENVNCLMDLLGHPFFWTWENRYRTL RDVGNESDIKVRNNSKLLKLLQPQTHAPSR
 SFDRWTSKIDKRVMSDMNGFYKSRKGYRDTVGDLLKFI RNIGEHI NEKNRQMK EILGDP SRYFQETFPD
 LVIIYIKLKETEFKRKHFPPPPSLSVPEAAGPGGVQS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_182673

ORF Size: 2214 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: [NM_182673.2](#), [NP_872614.1](#)

RefSeq Size: 2497 bp

RefSeq ORF: 2217 bp

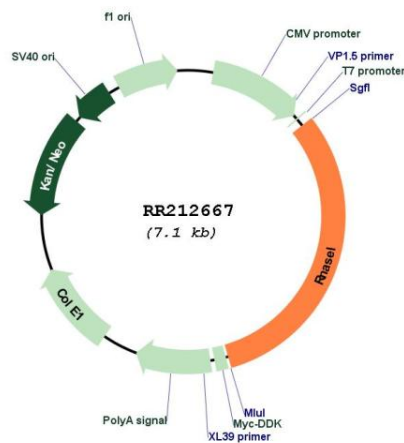
Locus ID: 359726

Cytogenetics: 13q21

MW: 83.2 kDa

Gene Summary: putative ribonuclease [RGD, Feb 2006]

Product images:



Circular map for RR212667