

Product datasheet for **RC225234**

RNASE9 (NM_001110357) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNASE9 (NM_001110357) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RNASE9
Synonyms: h461; HEL128; RAK1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225234 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGAGAACTCTCATACCACACACCCACTGCCCTGCTTCTATTGCCGCAGCAGCTGCTGCAGCTGG
 TGCAGTTTCAAGAGGTGGATACAGATTTTGATTCCCGAAGAAGATAAAAAAGAAGATTTGAAGAGTG
 TTTGGAAAAATTTTTAGTACAGGGCCCGCAGACCACCTACCAAAGAAAAAGTCAAAGACGTGCCTT
 ATTGAACCTGGAATGCCACTAAATCATATAGAGTACTGTAACCATGAAATCATGGAAAAATGTTTACT
 ACAAACACCGTTGGGTGGCAGAACATTACTTCTTCTTATGCAATATGACGAGCTCCAAAAATCTGTTA
 CAACAGATTTGTCCATGTAAGAATGGAATTAGGAAATGTAACAGGAGCAAAGGTCTTGTAGAAGGAGTG
 TATTGTAATTTAACAGAAGCATCTGAAATACCAGCGTGTAAATACGAATCACTTTATAGGAAGGGCTACG
 TCCTTATCACTTGTTTCATGGCAAATGAAATGCAAAAACGTATTCCCTCATACTATAAATGATCTCGTGG
 GCCACCTGAACACAGAAGTTTCTCAGTGAGGATGGTGTCTTTGTCATACCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225234 protein sequence
 Red=Cloning site Green=Tags(s)

MMRTLITTHPLLLLLPQQLQLVQFQEVDTDFDFPEEDKKEEFEECLEKFFSTGPARPPTKEKVKRRVL
 IEPGMLNHI EYCNHEIMGKNVYKHRWVAEHYFLLMQYDELQKICYNRFVPCCKNGIRKCNRSKGLVEGV
 YCNL TEASEIPACKYESLYRKGYYLITCSWQNMQKRIPIHTINDLVEPPEHRSFLESDEGVFVIPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6747_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001110357

ORF Size: 615 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.

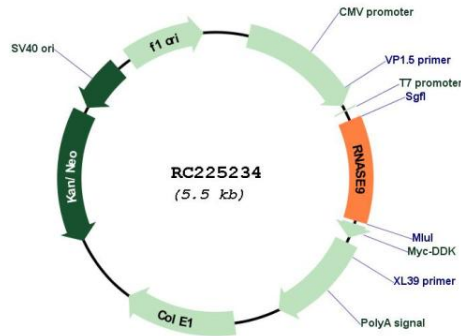
RefSeq: [NM_001110357.1](#), [NP_001103827.1](#)

RefSeq Size: 1103 bp

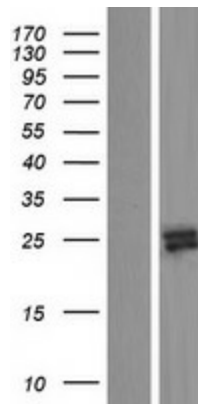
RefSeq ORF: 618 bp

Locus ID: 390443

UniProt ID: [P60153](#)
Cytogenetics: 14q11.2
Protein Families: Secreted Protein
MW: 24.3 kDa
Gene Summary: Does not exhibit any ribonuclease activity.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RC225234



Western blot validation of overexpression lysate (Cat# [LY426321]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225234 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).