

Product datasheet for **RC205620**

Ribonuclease A (RNASE1) (NM_198235) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ribonuclease A (RNASE1) (NM_198235) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ribonuclease A
Synonyms: RAC1; RIB1; RNS1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205620 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTGGAGAAGTCTCTTGCCGGCTCCTTCTGCTTGTCTGATACTGCTGGTGTGGGCTGGGTCC
 AGCCTTCCCTGGCAAGGAATCCCGGGCAAGAAATCCAGCGGCAGCATATGGACTCAGACAGTCCCC
 CAGCAGCAGCTCCACCTACTGTAACCAATGATGAGGCGCGGAATATGACACAGGGCGGTGCAAACCA
 GTGAACACCTTTGTGCAGAGCCCTGGTAGATGTCCAGAATGTCTGTTCCAGGAAAAGGTCACCTGCA
 AGAACGGGCAGGCAACTGCTACAAGAGCAACTCCAGCATGCACATCACAGACTGCCGCTGACAAACGG
 CTCCAGGTACCCAACTGTGCATACCGGACCAGCCGAAGGAGAGACACATCATTGTGGCCTGTGAAGGG
 AGCCCATATGTGCCAGTCCACTTTGATGCTTCTGTGGAGGACTCTACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205620 protein sequence
 Red=Cloning site Green=Tags(s)

MALEKSLVRLLLLVLLVLLGWVQPSLGKESRAKKFQRQHMDSDSSPSSSSTYCNQMRRRNMTQGRCKP
 VNTFVHEPLVDVQNVCFQEKVTCKNGQGNKYKSNSSMHI TDCRL TNGSRYPNCAVRTSPKERHII VACEG
 SPYVPVHFDA SVEDST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6145_f08.zip

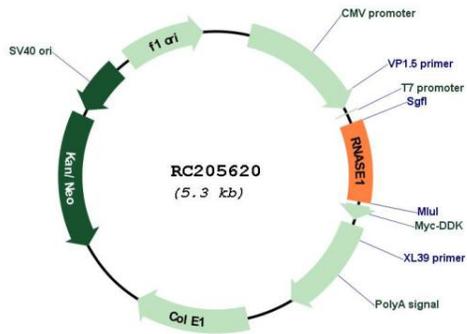


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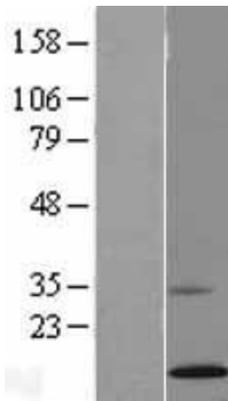
Locus ID: 6035
UniProt ID: [P07998](#)
Cytogenetics: 14q11.2
Protein Families: Secreted Protein, Transmembrane
MW: 17.6 kDa

Gene Summary: This gene encodes a member of the pancreatic-type of secretory ribonucleases, a subset of the ribonuclease A superfamily. The encoded endonuclease cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. It prefers poly(C) as a substrate and hydrolyzes 2',3'-cyclic nucleotides, with a pH optimum near 8.0. The encoded protein is monomeric and more commonly acts to degrade ds-RNA over ss-RNA. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

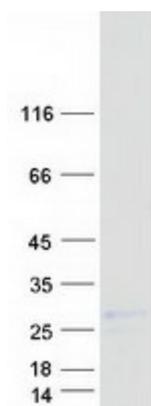
Product images:



Circular map for RC205620



Western blot validation of overexpression lysate (Cat# [LY404957]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC222114] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNASE1 protein (Cat# [TP305620]). The protein was produced from HEK293T cells transfected with RNASE1 cDNA clone (Cat# RC205620) using MegaTran 2.0 (Cat# [TT210002]).