

## Product datasheet for **SC202974**

### Ribonuclease A (RNASE1) (NM\_002933) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Ribonuclease A (RNASE1) (NM_002933) Human 3' UTR Clone
Symbol:	Ribonuclease A
Synonyms:	RAC1; RIB1; RNS1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002933
Insert Size:	400 bp
Insert Sequence:	>SC202974 3'UTR clone of NM_002933 The sequence shown below is from the reference sequence of NM_002933. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTTGATGCTTCTGTGGAGGACTTACCTAAGGTCAGAGCAGCGAGATACCCACCTCCCTCAACCTCAT
CCTCTCCACAGCTGCCTTCCCTTCCCTTCCCTGCTGTGAAAGAAGTAACTACAGTTAGGGCTCCTA
TTCAACACACACATGCTTCCCTTCCCTGAGTCCCATCCCTGCGTGATTTGGGGGTGAAGAGTGGGTTG
TGAGGTGGGCCCCATGTTAACCCCTCCACTCTTTCTTTCAATAAAACGCAGTTGCAAACACCTGATTC
TGAAGCGGTTCTGTCTAGGTACTGTTTCTGGCATTGCCTTCCAGCAAGGGTAAGAAGTGAATCTGA
TTCACTTTGGAGAACGGTGAATGGAGTAATTAATGCCTTCCCTTCTGACTTGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_002933.5](#)

**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]

**Locus ID:** 6035

**MW:** 14.6