

Product datasheet for **SC118284**

RNASE4 (NM_002937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNASE4 (NM_002937) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNASE4
Synonyms:	RAB1; RNS4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118284 sequence for NM_002937 edited (data generated by NextGen Sequencing)

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ATGGCTCTGCAGAGGACCCATTCTGCTTTTGTGCTGCTGACCCTGCTGGGGCTG
GGGCTGGTCCAGCCCTCCTATGGCCAGGATGGCATGTACCAGCGATTCTGCGGCAACAC
GTGCACCCTGAGGAGACAGGTGGCAGTGATCGCTACTGCAACTTGATGATGCAAAGACGG
AAGATGACTTTGTACTGCAAGCGCTTCAACACCTTCATCCATGAAGATATCTGGAAC
ATTCGTAGTATCTGCAGCACCACCAATATCCAATGCAAGAACGGCAAGATGAACTGCCAT
GAGGGTGTAGTGAAGGTACAGATTGCAGGGACACAGGAAGTTCCAGGGCACCCAAGTGC
AGATATCGGGCCATAGCGAGCACTAGACGTGTTGTCATTGCCTGTGAGGGTAACCCACAG
GTGCCTGTGCACTTTGACGGTTAG
```

Clone variation with respect to NM_002937.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002937 unedited
 TTTTGGTATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCTCCGTCCGTGTA
 CACACACTCACACAAGGACGCCAACCCACCTAGATGCAAAGCAGGATCAAAGAACAT
 CTTTGGCTTTTCTACCGCTCCCATCATCGTACTAGGGAGGAAGAAGCGGGTGAGAAAC
 AAAACTTCTTTCCATTGTCTGCCGTTTCTGCGGACTTGTCTGAGGCCGAGGCACCTC
 TAAGACTGTATGGCTCTGCAGAGGACCCATTTCATTGCTTCTGCTTTTGTGCTGACCT
 GCTGGGCTGGGGCTGGTCCAGCCCTCCTATGGCCAGGATGGCATGTACCAGCGATTCCCT
 GCGGCAACACGTGCACCCTGAGGAGACAGGTGGCAGTGATCGCTACTGCAACTTGATGAT
 GCAAAGACGGAAGATGACTTTGTATCACTGCAAGCGCTTCAACACCTTCATCCATGAAGA
 TATCTGGAACATTCGTAGTATCTGCAGCACCAATATCCAATGCAAGAACGGCAAGAT
 GAACTGCCATGAGGGTGTAGTGAAGGTCACAGATTGCAGGGACACAGGAAGTCCAGGGC
 ACCCAACTGCAGATATCGGGCCATAGCGAGCACTAGACGTGTTGTCATTGCCTGTGAGGG
 TAACCCACAGGTGCTGTGCACTTTGACGGTTAGATGCCACCATGTANGGATTATCGCGA
 GTGGTTGACCCTACACTTACTCCTTAAATAGCAGNGAGTAAATGCATTTGAGCTGTCCAG
 CTCTGCCCTCAGCTCTTTCCTACTCTTTCTCTATATACTCCATCTATTAACATTGC
 ACCAAGGAGAATGGAGACATTAACCTGTAAGAATGAAGCTGGCCTTTTCTGTATAAGCTT
 CTTTTATATACTGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002937 unedited
 CGCTCTAGAGTCGAGTTCTTCCCTTTTTTTTTTCTCAGCACCTTCGTTTCAGGCCCTT
 TATTACAAGGCAAACATACAAAATCTTCCATCAGCTAAGAGCACATAACCCCTTAATG
 ATCTACCACATTTTTTAGCACTTTGACTTACTAGGGCGATCCACAGCTCCAGGCAACAAG
 AACATCCCAGCCTCATTCTCTTATTCTTATTAACCCACACATAAGAATGCCCCAAAAT
 ACAGAGCTCACATTCTGTGGCATACTCCCAAACCCTCAATGCCTCCCTGACAGGCG
 AATCCTAAGGATAAAAAAGCACACACTTTCAAACATCCCTTGCATGAACCAGAAAAA
 CCCCTGCATCAGCGGCCACCTCCCTGGATCTTTGCCCAATCCTTCCATCACCTTTACA
 GTCTTACCACACCCCTCACCTCCGAGCTTCTATATGCACCGCCCTCATCATAAGCGCTG
 CGGCCCAACATGCGATACCCATACATGAAAGCCTCCCGAAATGCCCGAAATACCACATA
 CCTCCCATACTCCCACCTCCCACAGGATAGGATCTGACAGAGCTAACCTCGCCGTCCC
 ATCCAAGGAAGCCATTACAGAACAGCCACCCTCTCTCTCCAGGCCTATGCCCCATA
 TCCCTCTGGCGCCTGCCCAACCCATGAGCCATCTCCAGAAAAGAGCCGCAATGACCT
 GAGGACACACACCCTGGCACAGCCCAAATGCATACTCCCTGCCATCTCAGGACCGCGC
 CAAGCCACCCCTCCCATACCCCTACCGGGGCTCCACCGCCCAAGTCCCGAGCCCT
 GTGGCCACCCCTCCAGCCAGCCCCCCCCAGTCCCCCTATGCCCATCTGACCTGCGC
 TCCCTGCACTNCCTGGCCCTGCATCTGGCCCTCTACCCCTCTGGCGCCATCTGCGC
 CCGTCTGCATGCAATTGGCGGGGCCCAACCTCCACGCTCCCATCTCTGTAG

Restriction Sites:

NotI-NotI

ACCN:

NM_002937

Insert Size:

1430 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_002937.3](#), [NP_002928.1](#)

RefSeq Size: 1805 bp

RefSeq ORF: 444 bp

Locus ID: 6038

UniProt ID: [P34096](#)

Cytogenetics: 14q11.2

Domains: RNAse_Pc

Protein Families: Secreted Protein, Transmembrane

Gene Summary: The protein encoded by this gene belongs to the pancreatic ribonuclease family. It plays an important role in mRNA cleavage and has marked specificity towards the 3' side of uridine nucleotides. Alternative splicing results in four transcript variants encoding the same protein. This gene and the gene that encodes angiogenin share promoters and 5' exons. Each gene splices to a unique downstream exon that contains its complete coding region. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 4. All four variants encode the same protein.