

Product datasheet for **SC107718**

RNASE4 (NM_194431) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNASE4 (NM_194431) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNASE4
Synonyms:	RAB1; RNS4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_194431 edited ATGGCTCTGCAGAGGACCCATTCATTGCTTCTGCTTTTGTGCTGCCCTGCTGGGGCTG GGGCTGGTCCAGCCCTCCTATGGCCAGGATGGCATGTACCAGCGATTCCGCGCAACAC GTGCACCCTGAGGAGACAGGTGGCAGTGATCGCTACTGCAACTTGATGATGCAAAGACGG AAGATGACTTTGTATCACTGCAAGCGCTTCAACACCTTCATCCATGAAGATATCTGGAAC ATTCGTAGTATCTGCAGCACCACCAATATCCAATGCAAGAACGGCAAGATGAACTGCCAT GAGGGTGTAGTGAAGGTCACAGATTGCAGGGACACAGGAAGTTCCAGGGCACCCAACCTGC AGATATCGGGCCATAGCGAGCACTAGACGTGTTGTCATTGCTGTGAGGGTAACCCACAG GTGCCTGTGCACTTTGACGGTTAG
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_194431 unedited NGGGCTGTCAGATTTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCACCAGGGTTCA CACAACCTGNGAACCCATCTCCAGGAACAAACAGCTGGAACCCATCTCCCCTTGAAGGGAA ACTGCCAGATTTTGTAAAGATTCTCCTCCTGGGCACCTAAGATACTGATGGCTCTGC AGAGGACCCATTCATTGCTTCTGCTTTTGTGCTGTCCCTGCTGGGGCTGGGGCTGGTCC AGCCCTCCTATGGCCAGGATGGCATGTACCAGCGATTCCGCGCAACACGTGCACCCTG AGGAGACAGGTGGCAGTGATCGCTACTGCAACTTGATGATGCAAAGACGGAAGATGACTT TGTATCACTGCAAGCGCTTCAACACCTTCATCCATGAAGATATCTGGAACATTCTGAGTA TCTGCAGCACCACCAATATCCAATGCAAGAACGGCAAGATGAACTGCCATGAGGGTGTAG TGAAGGTCACAGATTGCAGGGACACAGGAAGTTCCAGGGCACCCAACCTGCAGATATCGGG CCATAGCGAGCACTAGACGTGTTGTCATTGCCTGTGAGGGTAACCCACAGGTGCCTGTGC ACTNTGACGGTTAGATGCCACCATGTANGGATTATCGCGAGTGGTTGACCTTACACTTAC TCCTTNAATAGCAGTGAGTAATGCATTTGAGCTGTTCCAGCTCTGTCTCCTCAGCTCAT TTCCTACTCTNTTCTCTATAAATCATTCTATTAATACATTGCACCAAGAGATAGG NAGACCATAACCTGTATGAATGAGGGGCTGGCTTTCTGTATAAGCTTCTTTATATACT GGNCAGCTTACTCTCAGATCTATNCTGGGG
Restriction Sites:	NotI-NotI



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ACCN:	NM_194431
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:	<ol style="list-style-type: none">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:	<u>NM_194431.1, NP_919412.1</u>
RefSeq Size:	1361 bp
RefSeq ORF:	444 bp
Locus ID:	6038
UniProt ID:	<u>P34096</u>
Cytogenetics:	14q11.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 4. All four variants encode the same protein.</p>