

Product datasheet for **MC200754**

Rnase4 (NM_201239) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnase4 (NM_201239) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnase4
Synonyms: C730049F20Rik; Rab1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005569 sequence for NM_201239
CAGGAAGGAAGGAGTGAAAAACAAAGCTGCCGCCTCCAGTTCGGGTCCAGGCACTTTCTAGGTAATGAT
GGATCTACAGAGGACTCAGTCCTTGCTTCTGCTTTGGTGCTGACCCTGCTGGGGTTAGGGCTTGTACAG
CCCTCCTATGGCCAGGATCGAATGTACCAACGGTTCCTTCGACAGCATGTGGACCCTCAGGCGACAGGTG
GCAATGACAACACTACTGCAACGTTATGATGCAGAGACGGAAGATGACTTCTGTCCAGTGCAAACGCTTCAA
CACCTTATCCACGAAGACATCTGGAACATTCGTGGCATCTGTAGTACCACCAATATCCTGTGCAAGAAC
GGCCAGATGAACTGTCACGAAGGTGTAGTGAAGGTCACGGACTGCAGAGAGACAGGGAACCCAAGGCC
CCAAGTGTAGATACAGGGCAAGAACCAGCACTAGGCGAGTTGTCATTGCCTGTGAGGGTGACCCAGAGGT
CCCAGTGCACCTTTGACAGATAGATGCTATCCTGCAGCTGTTACAGCTGATAGTTGACCTCTGAGTCAGTG
AGACCAACAATGAGTGGTGGCCCCAGGCTTTGTTTCTTTGCTCGTGCCTTATACTCACATATATCCAAT
ATAACCCATGGTGTAAAGCGCATCCCATCAAGGGGAGAAAGAAGCCTGTGCTCACAGCACTGATGGCTT
GGTTCTCCAGATTCTATCCCCTGGAACCTATGCATTACATGTATTCAGATAGTATCTCAACGATTATAG
AGAGCCTTTTCTGTCCAAGCTGTCTCATTCCAGTCCCTCTAACACCCCTTGAGACCAATTCTGCCACTGTA
TTTAGAAGCTTTGAGTTAAAGGATTTGATGACCACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_201239

Insert Size: 447 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).



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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: [BC005569](#), [AAH05569](#)

RefSeq Size: 893 bp

RefSeq ORF: 447 bp

Locus ID: 58809

Cytogenetics: 14 C1

Gene Summary: This gene encodes a member of the pancreatic ribonuclease A superfamily. The encoded enzyme is secreted and has unique uridine specificity. This gene resides in a cluster of highly related genes. It shares dual promoters and 5' exons with the angiogenin, ribonuclease, RNase A family, 5 gene. Each gene splices to a unique downstream exon that contains its complete coding region. Two alternatively spliced variants, with different 5' exons but the same coding exon, have been identified. [provided by RefSeq, Jun 2009]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.