

## Product datasheet for MC225920

### Rnase4 (NM\_021472) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnase4 (NM\_021472) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rnase4  
**Synonyms:** C730049F20Rik; Rab1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC225920 representing NM\_021472  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGGATCTACAGAGGACTCAGTCCTTGCTTCTGCTCTTGGTGCTGACCCTGCTGGGGTTAGGGCTTG  
 TACAGCCCTCCTATGGCCAGGATCGAATGTACCAACGGTTCCTTCGACAGCATGTGGACCCTCAGGTGAC  
 AGGTGGCAATGACAACCTGCAACGTGATGATGCAGAGACGGAAGATGACTTCTGTCCAGTGCAAACGC  
 TTCAACACCTTCATCCACGAAGACATCTGGAACATTCGTGGCATCTGCAGTACCACCAATATCCTGTGCA  
 AGAACGGCCAGATGAACTGTACGAAGGTGTAGTGAAGGTCACGGACTGCAGAGAGACAGGGAATCCAA  
 GGCCCCCAACTGTAGATACAGGGCAAGAACAGCACTAGGCGAGTTGTCATTGCCTGTGAGGGTGACCCA  
 GAGGTCCCAGTGCACTTTGACAGAT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_021472  
**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).


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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_021472.4, NP_067447.2</u>
<b>RefSeq Size:</b>	1540 bp
<b>RefSeq ORF:</b>	447 bp
<b>Locus ID:</b>	58809
<b>Cytogenetics:</b>	14 C1
<b>Gene Summary:</b>	<p>This gene encodes a member of the pancreatic ribonuclease A superfamily. The encoded enzyme is seretted 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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript. 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.</p>