

Product datasheet for **MC211580**

Rnase10 (NM_001162863) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnase10 (NM_001162863) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnase10
Synonyms: 4930474F22Rik; Rah1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211580 representing NM_001162863
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGTGACTGGTGCATCTGTTGTTTCATGATGTTGCTGCTGTTGCTAGGCCTAGGGCTGGGGCTGG
GCCTGGGCCTTCACATGGCAGCTGCCGCTCTGGAGGATCAGCCACTGAATGAATTTGGCCAGTGACTC
CCAGAATACTGAAGAGGGAGAGGGCATCTGGACCACAGAAGGTCTGGCACTTGGCTACAAAGAAATGGCA
CAACCTGTCTGGCCAGAAGAGGCTGTCCCTCAGTGAAGATGAAGTGGGGGAAGCAGGATGCTGAGGGCTG
AGCCCCGCTTTCAGAGCAACAAGACTACCTTAAGTTTGACTTGAGTGTGAGGGACTGTAATACCATGAT
GGCACACAAGATAAAGGAGCCTAATCAGAGCTGCATAAACAGTACACGTTTCCATCCATGAGGACCCAAAC
ACAGTCAAAGCTGTCTGTAAACGGTTCCTGGTTGACTGTGACCTCAAGGGGGCAAATGTTACAAAAGTC
CCCGGCCTTTTGATCTGACATTGTGCAAATGGCCAAACCAGGCCAAGTCACTCCCAACTGTCACTATCT
GACTTACATAACCGAAAAGGTCATTTTCATGACATGCAATGACAAGAAACAACCTGGAGACTAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001162863
Insert Size: 627 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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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_001162863.1, NP_001156335.1</u>
RefSeq Size:	1521 bp
RefSeq ORF:	627 bp
Locus ID:	75019
UniProt ID:	<u>Q9D5A9</u>
Cytogenetics:	14 C1
Gene Summary:	<p>Secreted proximal epididymal protein required for post-testicular sperm maturation and male fertility. May be involved in sperm adhesion to the egg zona pellucida. Does not have ribonuclease activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>