

Product datasheet for MR218724

Rnase10 (NM_001162863) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnase10 (NM_001162863) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnase10
Synonyms: 4930474F22Rik; Rah1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218724 representing NM_001162863
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGTGACTGGTGCATCTGTTGTTTCATGATGTTGCTGCTGTTGCTAGGCC**TAGGGCTGGGGCTGG**
GCCTGGGCTTACATGGCAGCTGCCGCTCTGGAGGATCAGCCACTGAATGAATTTGGCCAGTGACTC
CCAGAATACTGAAGAGGGAGAGGCATCTGGACCAGAAAGTCTGGCACTTGGTACAAAGAAATGGCA
CAACCTGTCTGGCAGAAGAGGCTGTCTCAGTGAAGATGAAGTGGGGGAAGCAGGATGCTGAGGGCTG
AGCCCCGCTTTCAGAGCAACAAGACTACCTTAAGTTTGACTTGAGTGTCAAGGACTGTAATACCATGAT
GGCACACAAGATAAAGGAGCCTAATCAGAGCTGCATAAACAGTACACGTTTCCATCCATGAGGACCCAAAC
ACAGTCAAAGCTGTCTGTAAACGGTTCCTGGTTGACTGTGACCTCAAGGGGGCAAAATGTTACAAAAGTC
CCCGGCTTTTGTGATCTGACATTGTGCAAAATGGCCAAACAGGCCAAGTCACTCCCAACTGTCACTATCT
GACTTACATAACCGAAAAGGTCATTTTCATGACATGCAATGACAAGAAACAACCTGGAGACTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218724 representing NM_001162863
Red=Cloning site Green=Tags(s)

MKVTLVHLLFMLLLLLGLGLGLGLHMAAVLEDQPLNEFWPSDSQNTTEEGEIGWTTEGLALGYKEMA
QPVWPEEAVLSEDEVGSRMLRAEPRFQSKQDYLFKDL SVRDCNTMMAHKIKEPNQSCINQYTFIHEDPN
TVKAVCNGLVDCDLKGGKCYKSPRPFDLTCLLAKPGQVTPNCHYLTYITEKVI FMTCDKQLETK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001162863

ORF Size: 624 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001162863.1](#), [NP_001156335.1](#)

RefSeq Size: 1521 bp

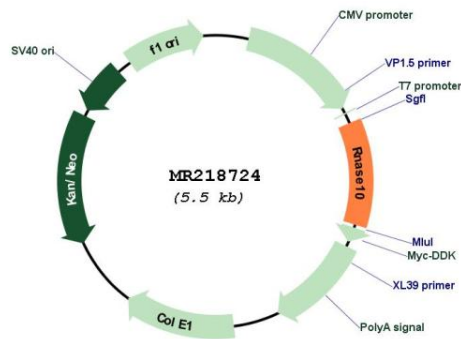
RefSeq ORF: 627 bp

Locus ID: 75019

UniProt ID: [Q9D5A9](#)

Cytogenetics: 14 C1
MW: 23.8 kDa
Gene Summary: 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]

Product images:



Circular map for MR218724