

Product datasheet for **MC207775**

Rnase6 (NM_030098) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnase6 (NM_030098) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnase6
Synonyms: 9530043P15Rik; BB119466
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC207775 representing NM_030098
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGTAGACCTTCCCAGGTACCTTCTCCTATTGCTGCTTGAGCTGTGGGAGCCGATGTATCTAC
TTTGCTCTCAGCCTAAGGGTCTCTCCAGGGCACACTGGTTTAAATTGAAATTCAGCACGTACAGACAAGTCGTCA
ACCATGCAACACAGCCATGCGCGGTGTCAACAATTATACCCAACACTGTAACAGATAAACACCTTTCTG
CATGAATCTTTCCAGAATGTGGCTGCTACCTGCAGTTTGCACAATATCACCTGCAAGAACGGTCGGAAGA
ACTGCCACGAGAGCGCAGAACCTGTCAAGATGACTGACTGCTCACACACTGGAGGAGCCTATCCTAACTG
CCGCTATAGTAGTGATAAGCAATACAAGTTCTTATTGTGGCCTGTGAACACCCAAAGAAGGAGACCCCT
CCCTACCAACTAGTGCCTGTGCCTTAGATAAGATTGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_030098
Insert Size: 462 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).
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_030098.2</u> , <u>NP_084374.2</u>
RefSeq Size:	1072 bp
RefSeq ORF:	462 bp
Locus ID:	78416
UniProt ID:	<u>Q9D244</u>
Cytogenetics:	14 C1
Gene Summary:	Ribonuclease which shows a preference for the pyrimidines uridine and cytosine (PubMed:15693621). Has potent antibacterial activity against a range of Gram-positive and Gram-negative bacteria, including <i>P.aeruginosa</i> , <i>A.baumannii</i> , <i>M.luteus</i> , <i>S.aureus</i> , <i>E.faecalis</i> , <i>E.faecium</i> , <i>S.saprophyticus</i> and <i>E.coli</i> (PubMed:15693621, PubMed:25075772). Causes loss of bacterial membrane integrity, and also promotes agglutination of Gram-negative bacteria (By similarity). Probably contributes to urinary tract sterility (PubMed:25075772). Bactericidal activity is independent of RNase activity (By similarity).[UniProtKB/Swiss-Prot Function]