

Product datasheet for RN201456

Dnase2 (NM_138539) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dnase2 (NM_138539) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Dnase2
 Synonyms: Dnase2a
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN201456 representing NM_138539
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCACCGAGCTCGCTGCTGTTGGCTGCGCTGCTGTGGGTTCTGCCGAAGCCCTGAGCTGCTATG
 GGGACTCGGGCGGCCTGTGGATTGGTTCGTGGTATAACAAGCTGCCGGCTAACAGCGGGTCTGGGGATAA
 GCCATGGAAGGGTCTGATGTATAAATACATGGACCAGAAGCTCCGAGGGTTGGCAAGACGGTGTAGGGCAC
 ATCGACAGCAAGGACGGAGCCGTGGGCCTCACCTGCAGCCGTTGTACAAAAGAAGCTCCAGTCAGCTGG
 CCTTTCTACTCTACAACGACCAACCTCCAAATCCAGCTCAGCTCAGGACTCTTCCAGCCGTGGGCATAC
 GAAGGGTGTCTGCTCCTGGACCAAGAAGGGGGCTTCTGGCTGGTCCACAGTGTGCCTCGCTTCCCATCC
 CCTGCATCCTCTGGTGCATACAGCTGGCCTCCGAACGCTCGGACCTACGGCCAGACCCTACTCTGTGTGT
 CCCTTCCCTTCAGTCAGTTTCCAGGGATTGGCAAGCAACTAACCTATACCTACCCCTAGTCTATGACCA
 CAAGCTGGAAGGTATCTTTGCTCAAAAATTACCTGACCTAGAAGAGGTGACCAAGGGCCACCATGTCCCT
 CGTGAGCCCTGGAATAGTAGTGAATTCTCACTTCTCGAGCTGGGACCACCTTCCAGAGCTTTGCCAAAT
 TTGGAAAATTTGGAGATGACCTGTACTCCGGCTGGCTGGCAGCAGCCCTTGGCACCACCTACAGGTCCA
 GTTCTGGCCAAATCTCCAGGCATCCTGCCTTCCAAGTCTCTGGGACCCATAAAAATTCTGGATGTGACT
 GAGACAGGATTCCCTGGCCCATCTGGACCGACTTCAACGCCACAGAGGATCACTCCAAATGGTGTGTGG
 CCCCCGAAGGGCCCTGGGTCTGTGTGGGTGACATGAATCGGAACAAAAGAGAGACACACCGGTGGGGG
 CACACTGTGCACCAAGTGCCTGCCCTCTGGAAGGCCTCCGGTCTTGGTGAAGCCTGTAAGCCCTGT
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_138539



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Insert Size:	1053 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_138539.2</u> , <u>NP_612548.1</u>
RefSeq Size:	1433 bp
RefSeq ORF:	1053 bp
Locus ID:	171575
UniProt ID:	<u>Q9QZK8</u>
Cytogenetics:	19q11
Gene Summary:	catalyzes the hydrolysis of DNA into oligonucleotides under acidic conditions [RGD, Feb 2006]