

## Product datasheet for **RR205654**

### Dnase1 (NM\_013097) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dnase1 (NM_013097) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnase1
Synonyms:	MGC108543
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205654 representing NM_013097 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGGTACACAGGGCTGATGGGAATACTGCTCACCTGGTCAACCTGCTGCAGCTGGCTGCGACTCTGA  
GAATTGCAGCCTTCAACATCCGGACTTTTGGGGATACTAAGATGTCTAATGCCACCCTCTCTAGCTACAT  
TGTGAAAATCCTGAGTCGCTATGACATTGCTGTGGTCCAAGAGGTCAGAGACACTCACCTGGTTGCTGTT  
GGGAACTACTGGATGAACTCAATCGGGACATCCCTGACAACATCGCTATATAATCAGTGAGCCGCTGG  
GCCGAAAAGCTACAAGGAACAGTACCTTTTTGTGTACAGGCCAGCCAGGTGTCTGTTTTGGATAGCTA  
TCATTATGACGATGGCTGTGAACCCTGTGGAAATGACACCTTCAGCCGAGAGCCAGCCATTGTCAAGTTC  
TTTTCCCATACACTGAGGTCGAGAGTTTGGCATTGTGCCCTTGCACTCAGCCCCAACAGAGGCTGTGA  
GTGAGATCGATGCCCTCTACGATGTTTATCTAGATGTCCGGGAAAAGTGGGGCCTGGAGGACATCATGTT  
CATGGGAGATTTCAATGCTGGCTGCAGCTACGTCACCTCCTCCCAATGGTCTTCCATTCCCTTCGGACA  
AGCCCCATCTCCAGTGGCTGATCCCTGACAGTGCGGACACCACAGCCACATCCACACTGTGCTTATG  
ACAGGATTGTGGTTGCTGGAGCTCTGCTCCAGGCTGCTGTTGTTCCAGCTCGGCTGTCCCCTTTGACTT  
CCAAGCAGAATACAGACTTACCAACCAGATGGCTGAAGCCATCAGTGACCATTACCCAGTGGAGGTGACA  
CTCAGAAAGACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205654 representing NM\_013097  
 Red=Cloning site Green=Tags(s)

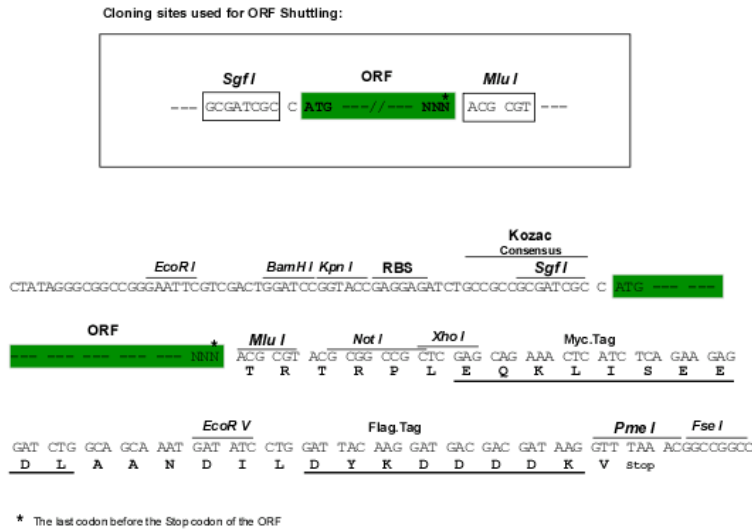
MRYTGLMGILLTLVNLLQLAATLRIAANIRTFGDTKMSNATLSSYIVKILSRDYDIAVVQEVDRDTHLVAV  
 GKLLDELNRDIPDNYRYIISEPLGRKSYKEQYLFVYRPSQVSVLDSYHYDDGCEPCGNDTFSREPAIVKF  
 FSPYTEVREFAIVPLHSAPTEAVSEIDALYDVYLDVRQKWGLEDIMFMGDFNAGCSYVTTSSQWSSIRLRT  
 SPIFQWLIPDSADTTATSTHCAYDRIVVAGALLQAAVVPSSAVPFDQAEYRLTNQMAEAI SDHY PVEVT  
 LRKT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

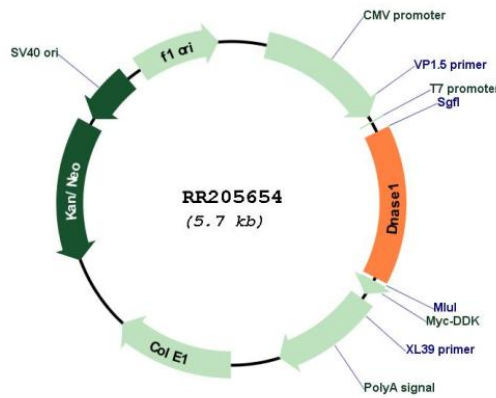
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_013097

ORF Size: 852 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_013097.2</a> , <a href="#">NP_037229.1</a>
<b>RefSeq Size:</b>	1313 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	25633
<b>UniProt ID:</b>	<a href="#">P21704</a>
<b>Cytogenetics:</b>	10q12
<b>MW:</b>	32.1 kDa
<b>Gene Summary:</b>	glycoprotein that cleaves DNA endonucleolytically to yield 5(alpha)-phosphodinucleotide and oligonucleotide end products; facilitates DNA hydrolysis in ailementary duct and other digestive tissues [RGD, Feb 2006]