

Product datasheet for RR212127

Dnase2b (NM_021664) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnase2b (NM_021664) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnase2b
Synonyms:	Dlad; UOX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212127 representing NM_021664 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGACAGCCAGCCTCTAAAAGCAGCTCTTCCTTTGCTCTTCGTTGCCCTGTCCGGAGTCCCTGGGGACAC
CAGTAATCTCGTGCATAAACGAAGATGGTAAAGCCGTGGACTGGTTTGCCTTTTATAAGTTACCCAGAAG
GACCAGCAGAGGAGGTACAGGGATGGGGCTGGATTACCTGTACCTGGACTCCACAATGAGAACCTGGAGC
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GTGTTTCCACAAAGGACTCTCAGGCTCGCTGGACCTGTATTGGAGACCTAAATCGGAGCCACATCAAGC
CTTGAGAAGTGGAGGATTTATCTGTTTCAAGAATCGGTACATTTACCAGTCATTTGATAGTTAGTTTCC
CATTATGCCTCCTGTAAC

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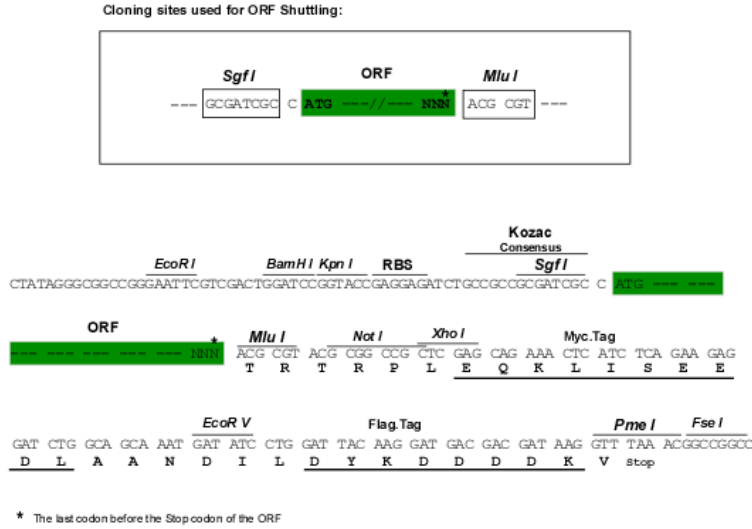
Protein Sequence: >RR212127 representing NM_021664
 Red=Cloning site Green=Tags(s)

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 PKFPPVPEKGYEYSSGRQYAQSGLCITLKYSQYETIDSQLLVFQPNIIYSCFIPNIFRWELIHMPQCAK
 SSASKIPSRRLTVLQSAQGLNFLHFAKSTFYTDDIFAAWIAQKLKVHLLVESWQRKNHELPSNCSLPYHV
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 HYASCN

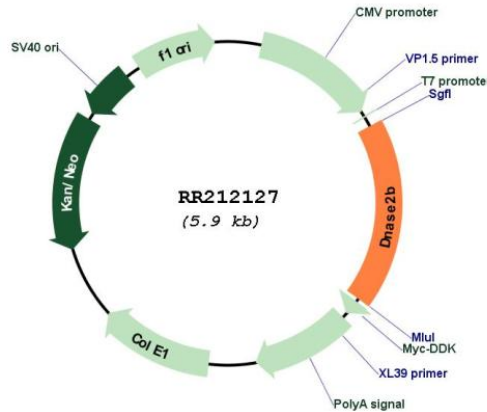
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021664

ORF Size:	1068 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:	<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:	NM_021664.1 , NP_067696.1
RefSeq Size:	1498 bp
RefSeq ORF:	1071 bp
Locus ID:	59296
UniProt ID:	Q9QZK9
Cytogenetics:	2q44
MW:	40.5 kDa
Gene Summary:	catalyzes the divalent cation-independent hydrolysis of DNA into oligonucleotides [RGD, Feb 2006]