

Product datasheet for **MG205393**

Dnase2b (NM_019957) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnase2b (NM_019957) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dnase2b
Synonyms:	A1526873; Dlad; Dnasellb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205393 representing NM_019957 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCAAAGCCTCTAAGAACAGTTCCTTTCTTTGCTCTTCTTTGCCCTCTCTGGGGTCTCTGGGACAC
CAGAAATCTCATGCAGAAATGAATATGGTGAAGCTGTGGACTGGTTTATCTTTTATAAGTTACCCAAAAG
GACTAGCAAGGCAAGTGAAGAGGCGGGGCTGCAGTACCTGTACCTGGACTCCACAAGACAAAACCTGGAAC
AAGAGCCTCTACCTGATTAACAGCACCAGGAGTGTCTGGGGAGGACCTACAGCATCTGTATGACACAC
ATAATTCCACGAATGACACAGCCTATCTAATATAACAACGATGGTGTCCCTGGATCTGTGAATTACAGCAG
ACAGTATGGACATGCCAAAGGTCTGCTGGTATGGAACAGAACGCAGGGGTCTGGCTGATACACTCTGTT
CCCAAGTTTTCCCGATTCATGGCTATGAGTACCCAACCTCGGGGAGGCGATATGGACAAACCGGCATCT
GCATCACTTTCCGATACAGCCAGTTTGAGGAAATAGATTTTCAGCTCTTGGTCTTACAACCAAACATCTA
CAGCTGCTTCATTCCAAGCACCTTTCACTGGAACTTATCTACATGCCCCGGATGTGTGCCAACTCCAGT
TCCTTAAAGATCCCTGTCCGGTACCTCGCTGAAGTGCAGTGCAGCCAGGGTCTAAACTTCGTCATTTTTG
CAAAATCAAGTTTTTATACTGATGACATCTTTACAGGATGGATAGCTCAAAAGTTGAAGACACATTTGTT
AGCACAAACCTGGCAGAAAAAGAAACAAGAGCTTCCTTCAAAGTTCCTCGCTTACCATGTCTACAAC
ATCAAGTCCATTGGGGTAACTTCCAAGTCTTACTTCAGTTCCTCGCAAGACCATTCCAAAATGGTGTGTT
CCATAAAGGGCTCCGCAATCGCTGGACCTGCATTGGAGACCTAAATCGAAGCCTACACCAAGCCTTAAG
AGGTGGAGGATTCATCTGTACAAAGAATCACTACATTTACCAGGCATTTCATAAATTATATCTCCGTTAT
GGGTTCTGTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205393 representing NM_019957
 Red=Cloning site Green=Tags(s)

MTAKPLRTVLSLLFFALSGVLGTPEISCRNEYGEAVDWFIFYKLPKRTSKASEEAGLQYL YLDSTRQTWN
 KSLYLINSTRSALGRTLQHL YDTHNSTNDTAYLIYNDGVPGSVNYSRQYGHAKGLLVNRTQGFWLIHVS
 PKFPPVHGVEYPTSGRRYQGTGICITFGYSQFEEIDFQLLVLPNIYSCFIPSTFHVKLIYMPRMCANSS
 SLKIPVRYLAELHSAQGLNFVHFAKSSFYTDIDFTGWIAQKCLKHLLAQTWQKKQELPSNCSLPYHYVN
 IKSIGVTSKSYFSSRQDHSKWCVSIKGSANRWTCIGDLNRS LHQALRGGGFICTKNHYIYQAFHKLYLRY
 GFCK

TRTRPLE - GFP Tag - V

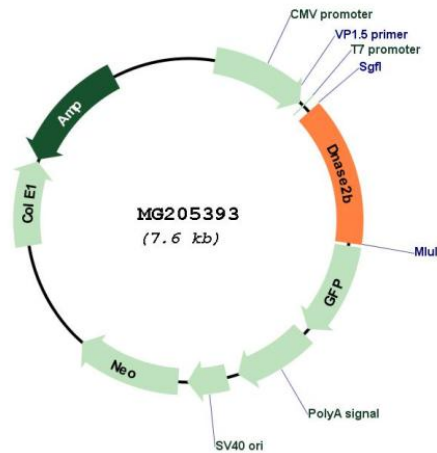
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_019957

ORF Size:	1062 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_019957.4
RefSeq Size:	2689 bp
RefSeq ORF:	1065 bp
Locus ID:	56629
UniProt ID:	Q9QY48
Cytogenetics:	3 H2
Gene Summary:	Hydrolyzes DNA under acidic conditions. Does not require divalent cations for activity. Participates in the degradation of nuclear DNA during lens cell differentiation. [UniProtKB/Swiss-Prot Function]