

Product datasheet for **RR201443**

Dus3l (NM_001034923) Rat Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Dus3l (NM_001034923) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Dus3l |
| Synonyms: | MGC124806 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR201443 representing NM_001034923
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGTTGCGGAGGTAGCAGCTGAGAGCGGTGGTGGCGGTGACTCCGGAGTTGGCGCGTGCGAAC
 GGGGGTGGCGCCATTAAAGCTCAGTACCGCACCAAAAGAAAGGTTCCACGAATACCTGGATGCAGA
 CAAGCAGGAGGGTGCGTGCCAGGAAACGCCTACAGAGGGCCAGCTGAACCGGAGGCCAAAAGAATCCGC
 TTGAAGATGGGCAGGAGAATGGGAAGACAGAGGTGGCAGTTGAGTCCCATGAAAGGCAGGTGCCAAGA
 GGGCCCGGGCCAAAACAAAAGCCGGCCACATGAAGCCAGCACACTATGACAAGGAGAGGCTCTGCC
 ATCCCTCCTTCAGGAGTCGGCCACTCCATGTGCATTTGGAGACCGTTGCCGCTTCTGCATGATGTGGG
 CGTACCTGGAGACCAACCAGCAGACCTGGGCCCCACTGCGTGCTCTTCAACACCTTCGGCCGGTGCC
 CTTACAGCATGACCTGTCGTTTTGCTGGGGCACACTTGGGACCTGAGGGTCAAGACCTGGTCAGGAGGA
 GGTGGTGGCCGCTGTGCACAGTCCCTTCGGTGCAGAAATGGCCTCGACAGGGCTCTGCAGCAGCAGCTG
 CGGAAGCGCCAAGTTGCTTTGAGCGAGCTGAGCAGGCCCTGAGCCACCTTACCCAGGGCCCATGCCCA
 CGATTGCCCTGAGAGCACTGTGGCCACATTGACCCAAAAGCACAGCAGCTGCCATGTCCAGCTAGACAA
 CGTAGGAGGGGACGGTGCCAGGCAGGGCAGCCCTGTGCCACCTGCGGCCCTTGACCGACGAGGATGTG
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 CATGTGCACAACTGCTCCAGGGACAGATGTCTGAGTGGGCTTGTCTCAAGCGCCACCCCTGCGAGGAC
 ATCTTCGGGGTTCAGCTGGAGGGCGCATCCCTGACACCATGACCAAGTGTGCTGAGCTGCTCAACCGCA
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 CCCTTGACGGTGAAGATGCGCACGGGTGTTAGGAGCGTGTGAGCCTGGCACACCGACTGCTGCCTGAAC
 TGCGGAACTGGGGTGTGCACTGGTGCACACTCCATGGCCGCTCCAGGAAACAGCGCTACACCAGGCTGGC
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 CTTTCGTTTGGAGACGCAACTGTGCCATGCAGACAGGGTGTGTTGGATCATGGTTGCCCGTGGCGCT
 TGCTCAAGCCCTGGCTGTCACTGAGATCAAAGAACAGAGACTGGGACATCTCATCTCTGAGCGCT
 GGACATCTTGGAGACTTCACACTATGGCCTGGAACACTGGGGCTCTGACACACAGGGTGTGGAACGG
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 TGCCACAGAGGATCAATGAAAGGCCACCTACTACTTAGGCCGTGACTACCTGGAGACACTCATGGCCAG
 CCAGCAGGCTGCAGACTGGATTGCAATCAGTGAGATGCTGCTTGGACCAGTTCACCTGGCTTCGTCTTC
 CTGCCAAGCACAAAGCCAATGCCTACAAGCTGCCAAGCACAAAGCCAATGCCTACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201443 representing NM_001034923
 Red=Cloning site Green=Tags(s)

MAEVAEVAASGGGGDSGVGACERGVAPIKAQYRTTKERFHEYLDADKQEGACQETPTEGPAEPEAKRIR
 LEDGQENGKTEVAVESHQVQPKRARGQNKSRPHMKPAHYDKERLCPSSLQESATPCAFGDRCRFLHDVG
 RYLETKPADLGPHCVLFNTFGRCPYSMTCRFAGAHLGPEGQNLVQEEVVARCAQLPSVRNGLDRALQQQL
 RKRQVCFERAEQALSHLTQGPMTIAPESTVATLTPKHSSCHVQLDNVGGD GARQGSVPVTCGPLTDEDV
 VRLRPCEKKRLDISGKLYLAPLTTGPNLPRRICKRFGADVTCGEMAMCTNLLQGQMSWALLKRHPCED
 IFGVQLEGAFPDTMTKCAELNRTIDVDFVDINVGCPIDL VYKKGCCALMNRS AKFQQIVRGMNEVLDV
 PLTVKMRTGVQERVSLAHRLLPELRNWGVALVTLHGRSREQRYTRLADWPYIEQCAKVASPMP LFGNGDI
 LSFEDANCAMQTGVAGIMVARGALLKPWLFTEIKEQRHWDISSERLDILRDFTHYGLEHWGSDTQGV
 TRRFLEWL SFLCRYVPVGLLERLPQRINERPPYYLGRDYLETLMASQQAADWIRISEMLLGPVPPGFV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

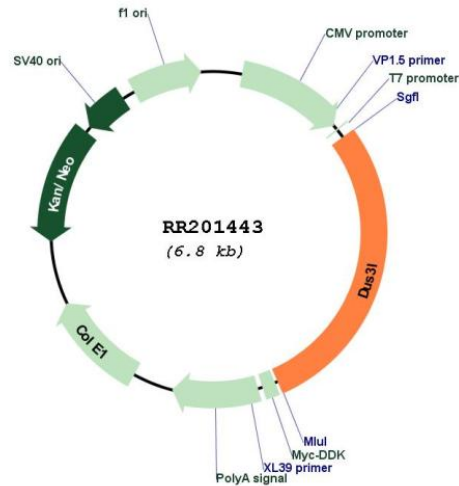
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034923

ORF Size: 1920 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:

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 Size: 2061 bp

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|---------------|--|
| RefSeq ORF: | 1923 bp |
| Locus ID: | 301122 |
| UniProt ID: | <u>Q3KRC5</u> |
| Cytogenetics: | 9q12 |
| MW: | 71.5 kDa |
| Gene Summary: | Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs.[UniProtKB/Swiss-Prot Function] |