

Product datasheet for **MR216052**

Dus3l (NM_144858) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dus3l (NM_144858) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dus3l
Synonyms:	A1662135; AW557805
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR216052 representing NM_144858
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAGACGGCAGCGGAGAGCGGTGGTGGCGGTGACTCCGGGTTGGCGCTGCGAACGGGGGTGG
 CGCCATTAAAGCTCAGTACCGCACAAACAAAGAACGGTTCACGAATATCTGGATGGAGACAAGCAGGA
 GGGTGCATGCCAGGAAGTCCCCACAGGAGACCCAGCTGAGCCAGGGGCCAAAAGAATTCGCCTGGAAGAT
 GGGCAGGAAAAATGGGAAGACAGAGGTGGCAATTGAATCCCGTGAAAGGCAGGTGCCAAAGAGGGCCCGTG
 GCCAAAACAAAAGCCGGCCCATGTGAAGCCAGCACACTACGACAAGGACAGGCTCTGCCGCTCTTCT
 CCAGGAGCCGGCCACCCATGTGCATTTGGAGACCGTTGCCGCTTCTGCACGATGTGGGGCGCTACCTG
 GAGACAAACCGGCAGACCTGGGCCCGCTGCGTGTCTTCGAAACCTTTGGCCGGTGCCTTTTCAGCA
 TGACCTGTGCTTTGCTGGAGCACACCTGGGGCTGAGGGGCAGAACCTGGTGCAGGAAGAGGTGGTGGC
 CCGCTGTGCACAGCTCCCTTCAGTGCAGGATGGCTTAGACAGGGCCCTGCAGCAGCAGCTCGGGAAGCGC
 CAAGTGTGCTTTGAGCGAGCTGAGCAGGCCCTGAACCGCCTCACCCAGAGCCCATGCCACTGTTGTCC
 CTGAGACCACTGTGGCCATGGCGACCCCAAGCAGAATAGCTGCCATGCCAGCTAGATACCGTAGGAGG
 GGCTGGCACCCCGCAGAGCAGCCCTGTGCCAACCTGTGGCCCTTGACAGACGAGGACGTGATCCGGCTG
 CGGCCCTGTGAGAAGAAGCGGCTAGACATCAGCGGAAAGCTGTATCTGGCTCCTTTAACCCAGTGTGGAA
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 GAACCTGCTCCAGGGACAGATGTCTGAGTGGGCTTTGCTCAAGCGCCACCCCTGTGAGGACATCTTTGGG
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 TGGACTTCGTGGACATCAACGTGGGCTGCCCATCGACCTCGTCTACAAGAAGGGTGGTGGCTGTGCAT
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 CTACATAGAACAGTGTGCCAAGGTGGCCAGCCCATGCCCTGTTTGAAATGGGGACATCCTTTTCGTTT
 GAGGACGCCAACTGTGCCATGCAGACAGGCGTTGCGGGGATCATGGTTGCCCGTGGTGCCTTGTCAAGC
 CCTGGCTGTTACGGAGATCAAAGAACAGAGGCACTGGGACATCTGTCCTCCGAGCGCCTGGACATCCT
 GAGGGACTTCACTCACTACGGTTTGAACACTGGGGCTCCGACACACAGGGCGTGGAGCGGACCCGGCGC
 TTCTGCTTGAGTGGCTCTTTTCTTTGAGGTATGTGCCCGTGGGCTGCTCGAGCGACCCACAGA
 GGATCAATGAGAGGCCACCCTATTACTTAGGCCGTGACTACCTGGAGACACTGATGGCCAGCCAGCAGGC
 TGCAGACTGGATTGCGATCAGTGAGATGCTGCTTGGACCAGTACCTCCTGGCTTCTGCTTCTGCCAAG
 CACAAGGCCAATGCCTACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216052 representing NM_144858
 Red=Cloning site Green=Tags(s)

MAETAESGGGGDSGVGACERGVAPIKAQYRTTKERFHEYLDGDKQEGACQEVPTGDPAEPGAKRIRLED
 GQENGKTEVAIESRERQVPKRARGQNKSRPHVKPAHYDKDRLCPSFLQEPATPCAFGDRCRFLHDVGRYL
 ETKPADLGPRCVLFETFGRCPF SMTCRFAGAHLGPEGQNLVQEEVVARCAQLPSVRNGLDRALQQQLRKR
 QVCFERAQALNRLTQSPMPTVVPETTVMATPKQNSCHAQLDVTGGAGTPQSSPVPTCGPLTDEDVIRL
 RPCEKKRLDISGKLYLAPLTTCCGNL PFRICKRF GADVTCGEMAVCTNLLQGMSEWALLKRHPCEDIFG
 VQLEGAFPD TMTKCAELLNRTIDVDFVDINVGCPIDL VYKGGG CALMNRSAKFQQIVRGVNEVLDVPLT
 VKMRTGVQERVSLAHRLLPELRDWGVALVTLHGRSREQRYTRLADWPYIEQCAKVASPMP LFGNGDILSF
 EDANCAMQTGVAGIMVARGALLKPWLFTEIKEQRHWDISSERLDILRDFTHYGLEHWGSDTQGVETRR
 FLLLEWLSFLCRYVPVGLLERPPQRINERPPYYLGRDYLETLMASQQAADWIRISEMLLGPVPPGFVFLPK
 HKANAYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

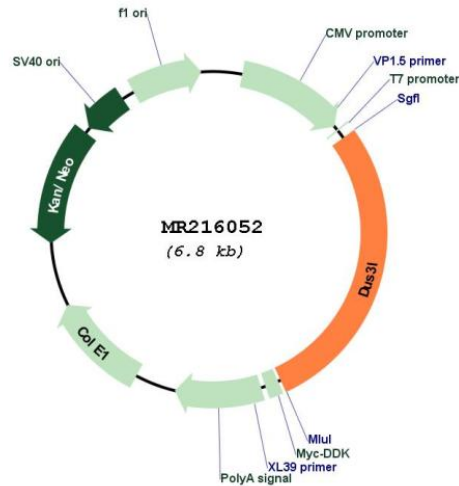
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_144858

ORF Size: 1911 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: [NM_144858.2](#), [NP_659107.2](#)

RefSeq Size:	2321 bp
RefSeq ORF:	1914 bp
Locus ID:	224907
UniProt ID:	Q91X11
Cytogenetics:	17 D
MW:	71.6 kDa
Gene Summary:	Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs.[UniProtKB/Swiss-Prot Function]