

Product datasheet for **MG205618**

Dus1l (BC019480) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dus1l (BC019480) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dus1l
Synonyms:	1110032N12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205618 representing BC019480 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGATAGCCAAGAGAGGTCACTATGGTGCTTTCTGCAGGAGGAGTGGGACCTTCTTCAAAGAATGATTC
 TGTTGGCTCATGAGCGACTCTCTGTTCTGTACGTGCAAAATTCGTGTCTTCCAGAAATTGACAAGAC
 AGTGAGGTACGCCAGATGCTGGAGAAGGCTGGCTGTGAGCTGCTGACTGTGCATGGGCGCACCAAGGAG
 CAGAAGGGGCCCATGGCAGGAACAGCCTCCTGGGAACACATCAAGGCCGTTCCGAAGGCTGTGGGAATCC
 CTGTGTTTGCCAATGGGAACATCCAATGCCTGCAGGATGTGGAGCGGTGCATCCAGGACACCGGCGTGCA
 GGGAGTCATGAGTGCAGAGGGGAACCTGCACAACCCTGCCCTCTTTGAGGGCCGGAGTCCCTGCTGTGTGG
 GAGCTGGCCGAGGAGTACCTGGACATTGTGCGGCAACACCCTTGCCACTATCGTATGTCCGGGGCCCATC
 TCTTCAAAGTGTGGCACCACACGCTACAGGTACATCAGCAACTTCGAGAAGAGCTGGCCAAAGTGAAGAC
 CCTGGAGGGCGTGGCTGCTGTGAGCCAGGCGCTAAAGCTTCGGTGTGAGGAGGACATGTCTAGGCAGCAA
 GAAGGAGTGAGGCCAGCTGACAATTACCTGCTTTCCATTGGATCTGCCAGCCGTACATCCGGCCAGGAC
 CTAGGGAAGGGAGCAAGGAGAATAGTGGTGGTCAAGCAAGCGGGCTCTGGAGGAAGAAGAAGGCAGCAT
 GGAGGGCTTGCCAAGAATAAGCTGAAGAACTGAGGAACCTCACAAAACCTTTGACCTTCCCTG
 AAACCCAAATATGCCAAGTGTGACCAAGTGTGAAATCCAAAGGCAATAGGTGTGTGTTAATCTGTGCC
 GTGGCTGCTGCAAGAAGCGAGCTTTCAGAGAGACAGCAGATTGCCAGGTCATGGATTGCTTTTAAAGAC
 CAAATTAGAGAAGTCTTTGGCCTGGAAAGGGACCCAGCCTGGACTGCAGGAAGCCAGCAGGTGAGGCCT
 GTGACACCAAGTGGTTTCTCTGAAGTCGTGGTAGTGCCCTAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205618 representing BC019480
 Red=Cloning site Green=Tags(s)

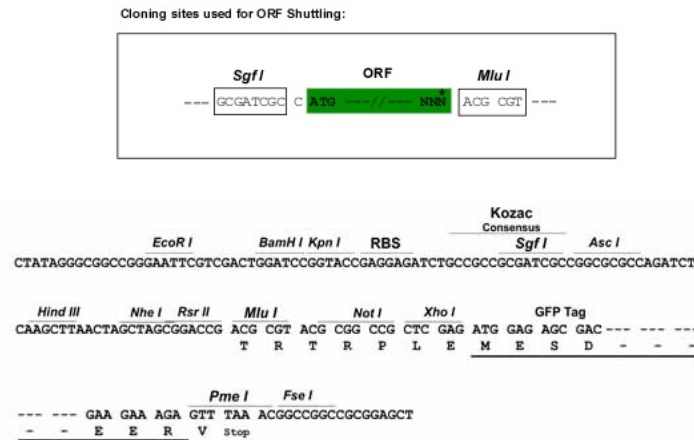
MIAKRGHYGAFLQEEWDLQRMILLAHERLSVPVTCKIRVFPIDKTVRYAQMLEKAGCQLLTVHGRTKE
 QKGPMAGTASWEHIKAVRKAVGIPVFANGNIQCLQDVERCIQDTGVQGVMSAEGNLHNPALFEGRSPAVW
 ELAEEYLDIVRQHPCPLSYVRAHLFKLWHHTLQVHQQLREELAKVKTLEGVAASQALKLRQCEDMSRQQ
 EGVVPADNLPAFHWICQPYIRPGPREGSKENSGGRSKRALEEEEGSM EGLSKNKLKKQLRNPHKTFDPSL
 KPKYAKCDQCGNPKGNRCVFNLCRGCKKRAFRETADCPGHLLFKTKLEKSLAWKGTQPLQEAQQVVRP
 VTPSGFSEVVGSALA

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC019480

ORF Size: 1095 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: BC019480, AAH19480

RefSeq Size: 1423 bp

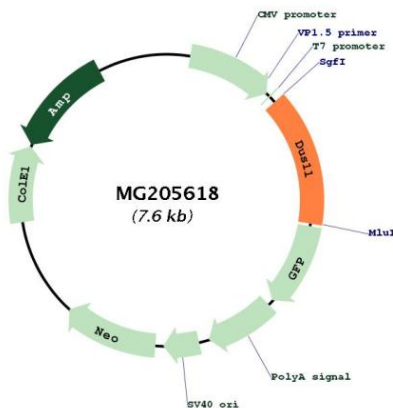
RefSeq ORF: 1097 bp

Locus ID: 68730

Cytogenetics: 11 E2

Gene Summary: Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205618