

Product datasheet for MR205618

Dus1l (BC019480) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dus1l (BC019480) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dus1l
Synonyms:	1110032N12Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205618 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGCCAAGAGAGGTCACTATGGTGTCTTTCTGCAGGAGGAGTGGGACCTTCTTCAAAGAATGATTC
TGTTGGCTCATGAGCGACTCTCTGTTCTGTACGTGCAAAATTCGTGTCTTCCCAGAAATTGACAAGAC
AGTGAGGTACGCCAGATGCTGGAGAAGGCTGGCTGTGAGCTGCTGACTGTGCATGGGCGCACCAAGGAG
CAGAAGGGGCCATGGCAGGAACAGCCTCTGGGAACACATCAAGGCCGTTCCGGAAGGCTGTGGGAATCC
CTGTGTTTGCCAATGGGAACATCCAATGCCTGCAGGATGTGGAGCGGTGCATCCAGGACACCGCGTGCA
GGGAGTCATGAGTGCAGAGGGGAACCTGCAACAACCTGCCCTCTTTGAGGGCCGGAGTCCCTGTGTGG
GAGCTGGCCGAGGAGTACCTGGACATTGTGCGCAACACCTTGTCCACTATCGTATGTCGGGGCCCATC
TCTTCAAAGTGTGGCACCACACGCTACAGGTACATCAGCAACTTCGAGAAGAGCTGGCCAAAGTGAAGAC
CCTGGAGGGCGTGGCTGTGTGAGCCAGGCGCTAAAGCTTCGGTGTGAGGAGGACATGTCTAGGCAGCAA
GAAGGAGTGAGGCCAGCTGACAATTACCTGCTTTCCATTGGATCTGCCAGCCGTACATCCGGCCAGGAC
CTAGGGAAGGGAGCAAGGAGAAATAGTGGTGGTCAAGCAAGCGGGCTCTGGAGGAAGAAGAAGGCAGCAT
GGAGGGCTTGTCCAAGAATAAGCTGAAGAACTGAGGAACCTCACAAAACCTTTGACCTTCCCTG
AAACCCAAATATGCCAAGTGTGACCAGTGTGAAATCAAAGGGCAATAGGTGTGTGTTAATCTGTGCC
GTGGCTGCTGCAAGAAGCGAGCTTTCAGAGAGACAGCAGATTGCCAGGTCATGGATTGCTTTTTAAGAC
CAAATTAGAGAAGTCTTTGGCCTGGAAAGGACCAGCCTGGACTGCAGGAAGCCAGCAGGTGAGGCCT
GTGACACCAAGTGGTTTCTCTGAAGTCGTGGTAGTGCCCTAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205618 protein sequence
 Red=Cloning site Green=Tags(s)

MIAKRGHYGAFLQEEWDLQRMILLAHERLSVPVTCKIRVFPEDKTVRYAQMLEKAGCQLLTVHGRTKE
 QKGP MAGTASWEHIKAVRKA VGI PVFANGNIQCLQDVERCIQDTGVQGVMSAEGNLHNPALFEGRSPAVW
 ELAEEYLDIVRQHPCPLSYVRAHLFKLWHHTLQVHQQLREELAKVKTLEGVA AVSQA LKLRQCQEDMSRQQ
 EGVRPADNLP AFHWICQPYIRPGPREGSKENSSGGRSKRALEEEEGSMEGLSKNKLKKQLRNPHKTFDPSL
 KP KYAKCDQC GNPKGNRCVFNL CRGCKKRAFRETADCPGHLLFKTKLEKSLAWKGTQPLQEAQQVVRP
 VTPSGFSEVVGSALA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

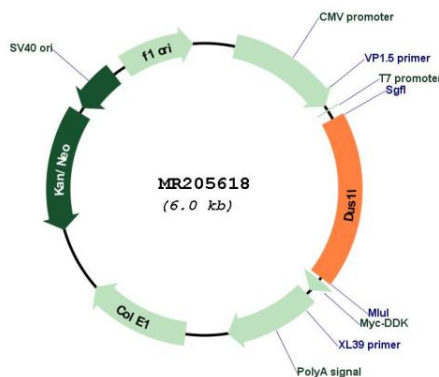
Locus ID: 68730

Cytogenetics: 11 E2

MW: 41 kDa

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 MR205618