

Product datasheet for **MC216829**

Dus2 (NM_025518) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dus2 (NM_025518) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dus2
Synonyms:	2310016K04Rik; Dus2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216829 representing NM_025518
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTGTGAACAGCCTCTCCCTGTGCTACCACAATAAGCTCATCTTAGCCCCGATGGTTCGGGTGGGGA
 CTCTGCCAATGCGCCTCCTAGCCCTGGATTATGGAGCGGACATTGTTTACTGTGAGGAGCTGATTGACCT
 CAAGATGCTCCAGTGCAAGCGAGTTGTAACGAGGTGCTCAGCACAGTGGACTTTGTTGCTCCTGATGAC
 CGGGTAGTCTTCCGTACGTGTGAAAGAGAACAGAGCAGGGTGGTCTTCAGATGGGGACTTCAGACGCAG
 AGCGAGCCCTTGCTGTGGCCAGGCTTGTAGAAAATGATGTAGCTGGTATTGATGTCAACATGGGCTGTCC
 AAAAGAGTATTCCACTAAGGGAGGAATGGGAGCCGCTCTGCTGTCAGACCCTGACAAGATCGAGAAGATC
 CTCAGCACTCTTGTTAAAGGGACACACAGACCTGTGACCTGTAAAATCCGAATCTGCCCTCGTGGAAAG
 ATACCCTGAACCTGGTGAAGCGGATAGAGAGGACTGGCATTTCAGCCATTGCAGTTCATGGGAGGAATCG
 TGACGAGCGACCTCAGCACCCGGTCAGCTGTGAAGTTATAAGAGCCATTGCTGAAACCCTCTCCATTCT
 GTCATAGCCAACGAGGATCTCATGACCATATCCAGCAACATGTGGACATAGAAGACTTTTCGACAAGCCA
 CGGCTGCCTCCTCTGTGATGGTGGCTCGAGCAGCCATGTGGAACCCCTCCATCTTCTCAAGGATGGCCT
 TCGTCCCTGGAGGAAGTCATGCAGAAGTACATCAGATATGCGGTGCAGTATGATAACCACTACACCAAC
 ACCAAGTACTGCTTGTGCCAAATGCTGCGGGAACAGTTGGAGTCGCCCCAGGGAAGACTGCTTCATGCTG
 CCCAGTCTTCCAGGAAATTTGTGAGGCCTTTGGCCTTGGTGCCTTCTATGAGGAGACCATTGCGGAGCT
 CGATGCTCGGCGAGCTGACCTCCTGGCCAAGACTCCAGAGGCTGTTGAGGAGCCAGCTGAAGATACTTCT
 GGCATCATTAATAATGGCTATCAGGTTTGACCGGAGAGCATATCCACCCAGATCACTCCCAAGATGTGCC
 TGCTGGAATGGTGTGCGAGGGAGAAGCTGCCACAACCTGTGTATGAAACAGTTCAGCGAACTATAGATCG
 CATGTTTTGCTCTGTTGTCACTGTTGCGGAACAAAAGTACCAGTCCACCTTGTGGGACAAGTCCAAGAAA
 CTGGCGGAGCAGACTGCAGCAATTGTGTGCTTAGGAGCCAGGGCCTCCCTGAGGGTCTGGTGGGTGAGG
 AGAGTCCCTCCTTGAACAAGCGCAAGCGAGAGGCCCTGACCAAGACCCTGGGGGCCCAAGAGTTTCAGGA
 GCCAGCACTACCTGGGGAGATATGCAAGAAGCCATTTGTAACTTGGACAGTAGTGAGGAGAATCTTCTG
 GAAGGCTGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_025518

Insert Size: 1482 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_025518.4, NP_079794.1</u>
RefSeq Size:	1910 bp
RefSeq ORF:	1482 bp
Locus ID:	66369
UniProt ID:	<u>Q9D7B1</u>
Cytogenetics:	8 D3
Gene Summary:	Dihydrouridine synthase. Catalyzes the NADPH-dependent synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs. Negatively regulates the activation of EIF2AK2/PKR.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).