

Product datasheet for **SC113958**

DUS2L (DUS2) (NM_017803) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUS2L (DUS2) (NM_017803) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUS2L
Synonyms:	DUS2L; SMM1; URLC8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113958 sequence for NM_017803 edited (data generated by NextGen Sequencing)

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ATGATTTTGAATAGCCTCTCTCTGTGTACCATAATAAGCTAATCCTGGCCCAATGGTT
CGGGTAGGGACTCTTCCAATGAGGCTGCTGGCCCTGGATTATGGAGCGGACATTGTTTAC
TGTGAGGAGCTGATCGACCTCAAGATGATTCAAGAGAGTTGTTAATGAGGTGCTC
AGCACAGTGGACTTTGTGCCCCCTGATGATCGAGTTGTCTTCCGACCTGTGAAAGAGAG
CAGAACAGGGTGGTCTTCCAGATGGGACTTCGGACGCAGAGCGAGCCCTTGCTGTGGCC
AGGCTTGTAGAAAATGATGTGGCTGGTATTGATGTCAACATGGGCTGTCCAAAACAATAT
TCCACCAAGGGAGGAATGGGAGCTGCCCTGCTGTGACACCTGACAAGATTGAGAAGATC
CTCAGCACTCTTGTTAAAGGGACACGCAGACCTGTGACCTGCAAGATTGCGATCCTGCCA
TCGCTAGAAGATACCCTGAGCCTTGTAAGCGGATAGAGAGGACTGGCATTGCTGCCATC
GCAGTTTATGGGAGGAAGCGGGAGGAGCGACCTCAGCATCCTGTCAGCTGTGAAGTCATC
AAAGCCATTGCTGATACCCTCTCCATTCTGTGATAGCCAACGGAGGATCTCATGACCAC
ATCCAACAGTATTCGGACATAGAGGACTTCGACAAGCCACGGCAGCCTCTTCCGTGATG
GTGGCCCGAGCAGCCATGTGGAANNATCTATCTTCTCAAGGAGGGTCTGCGGCCCTG
GAGGAGGTGATGCAGAAATACATCAGATACGCGGTGCAGTATGACAACCACTACACCAAC
ACCAAGTACTGCTTGTGCCAGATGCTACGAGAAGCTGGAGTCCGCCAGGGAAGGTTG
CTCCATGCTGCCAGTCTTCCCGGAAATTTGTGAGGCCTTTGGCCTTGGTGCCTTCTAT
GAGGAGACCACACAGGAGCTGGATGCCAGCAGGCCAGGCTCTCAGCCAAGACTTCAGAG
CAGACAGGGGAGCCAGCTGAAGATACCTCTGGTGTCAATTAAGATGGTGTCAAGTTTGAC
CGGAGAGCATACCCAGCCAGATCACCCCTAAGATGTGCCTACTAGAGTGGTGCCGGAGG
GAGAAGTTGGCACAGCCTGTGTATGAAACGGTTCAACGCCCTCTAGATCGCCTGTTCTCC
TCTATTGTCAACGTTGCTGAACAAAAGTATCAGTCTACCTTGTGGGACAAGTCCAAGAAA
CTGGCGGAGCAGGCTGCAGCCATCGTCTGTCTGCGGAGCCAGGGCCTCCCTGAGGGTCGG
CTGGGTGAGGAGAGCCCTTCTTGCACAAGCGAAAGAGGGAGGCTCCTGACCAAGACCCT
GGGGGCCCGCAGAGCTCAGGAGCTAGCACAACTGGGGATCTGTGCAAGAAGCCCTTTGTG
GCCTTGGGAAGTGGTGAAGAAAGCCCCCTGGAAGGCTGGTGA
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Clone variation with respect to NM_017803.3
273 a=>g;744 c=>n;745 c=>n

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017803 unedited

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ACATTTTGTATACGACTCATATAGGGCGGCCGGAATTCGGCACGAGGGTACGGTGTGTG
GAGCTGGAGCACCCTGAGGAAGAAGCGAGGTTCTTTTAAAGATTTCAGCTGCGAGATATC
AAACAAAGAATTACTCTGTACAAAGCCAGAACACATATCAAGTAATCCTGAAGTATC
AGAACAAAATAATAGGCTGTAAACAGAGGAGGAAATGATTTTGAATAGCCTCTCTCTGTGT
TACCATAATAAGCTAATCCTGGCCCAATGGTTTCGGGTAGGACTCTTCCAATGAGGCTG
CTGGCCCTGGATTATGGAGCGGACATTGTTTACTGTGAGGAGCTGATCGACCTCAAGATG
ATTCAGTGCAAGAGAGTTGTTAATGAGGTGCTCAGCACAGTGGACTTTGTGCGCCCTGAT
GATCGAGTTGTCTTCCGACCTGTGAAAGAGAGCAGAACAGGGTGGTCTTCCAGATGGGG
ACTTCGGACGCAGAGCGAGCCCTTGTGTGGCCAGGCTTGTAGAAAATGATGTGGCTGGT
ATTGATGTCAACATGGGCTGTCCAAAACAATATCCACCAAGGGAGGAATGGGAGCTGCC
CTGCTGTGACACCCTGACAAGATTGAGAAGATCCTCAGCACTCTTGTTAAAGGGACACGC
AGACCTGTGACCTGCAAGATTGCGATCCTGCCATCGCTAGAAGAACCCTGAGCCTTGTGA
AGCGGATAGAGAGGACTGGCATTGCTGCCATCGCAGNTCATGGGAGGAAAGCGGAGGAGC
GACCTCACCATCCTGTGAGCTGTGAAGTCATCAAGCCATTGCTGATACCCTCTCCATTC
CTGTGATAGCCAACGGAGGATCTCATGACCACATTCCACAGTATTCGGACATAGAGGACT
TTCGACAGCCACGGCAGCCTCTTNCGTGATGGTGGCCGAGCAGCCATGTTGAACCATCT
ATCTTCTN
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_017803 unedited <pre> TCTATGAACCGCAGGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTATGAAGATG CCCAAGGCTGAAGCAGCCAGCCGTGGGTGAGGGTAGGGGGTGTCTTTATTGCACAGTACC AATGTCAGGTTGGGGAGTTACCACCTGAAAAGCTCCTGTTTTCAAAGAGAACTTGACCCCT GTCACTCAGATCCACCAAAGGGGCCAGGATCCACCCCTGGGCGGCCCTGGTCCATGCTC TAGGCTGATGGCCCTGCCAGGACATCTAATTCTGCCAGGCAAGACCAGCAAACCTGTTT AACGGCATCTGGTTCATGCTGTGGCATCCACAGCCACCTTAGCACCAGGCCCATGGAGGG GTGACTAAGGCAGGAAGAGTAGTCACCAGCCTTCCAGGGGGCTTTCTTCAACCACTTCCCA AGGCCACAAAGGGCTTCTTGACAGATCCCCAGGTTGTGCTAGCTCCTGAGCTCTGGGGC CCCCAGGGTCTTGGTCAGGAGCCTCCCTCTTTCGTTGTGCAAGGAAGGGCTCTCCTCAC CCAGCCGACCCTCAGGGAGGCCCTGGCTCCGCAGACAGACGATGGCTGCAGCCTGCTCCG CCAGTTTCTTGGACTTGTCCACAAGGTAGACTGATACTTTTGTTCAGCAACGGTGACAA TAGAGGAGAACAGGCGATCTAGAGGGCGTTGAACCGTTTCATACACAGGCTGTGCCAACT TCTCCCTCCGGCACCCTCTAGTAAGCACATCTTANGGGTGATCTGGGCTGGGTATGCTC TCCGGTCAAACCTTGACAGCCATCTTAATGACACCAGAGGTATCTTCAGCTGGCTCCCCTG TCTGCTCTGAAATCTTGGCTGAAAGCCTTGGCTGCTGGGCATCCAGCTTCTGTGTGGGTC TCTCATAGAAGCACCAAGGCCAAAGCCCTACAATTTCCCGGNAAGACTGGCANCATGGAG CAACCTTCCTTGGGCGACTCCGCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_017803
Insert Size:	2190 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.
RefSeq:	<u>NM_017803.3</u> , <u>NP_060273.1</u>
RefSeq Size:	1999 bp
RefSeq ORF:	1482 bp
Locus ID:	54920
UniProt ID:	<u>Q9NX74</u>
Cytogenetics:	16q22.1
Domains:	DSRM, Dus

Gene Summary:

This gene encodes a cytoplasmic protein that catalyzes the conversion of uridine residues to dihydrouridine in the D-loop of tRNA. The resulting modified bases confer enhanced regional flexibility to tRNA. The encoded protein may increase the rate of translation by inhibiting an interferon-induced protein kinase. This gene has been implicated in pulmonary carcinogenesis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).