

Product datasheet for **RG209015**

DUS1L (NM_022156) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUS1L (NM_022156) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DUS1L
Synonyms:	DUS1; PP3111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209015 representing NM_022156
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAAGTCAGGGCTTCGAGTTCTGGAGCCGACCCCTGCGAGGGGCCGCCACGTCGTGGCCCCCA
 TGGTGGACCAGAGCGAGCTGGCCTGGAGGCTGCTGAGCCGGCGCCACGGGGCACAGCTCTGCTACACGCC
 CATGCTGCATGCCAGGTCTTTGTCCGCGACGCCAACTACCGGAAGGAGAACCTGTACTGCGAGGTGTGC
 CCCGAGGACCGCCCTCATCGTGCAGTTCTGTGCCAATGACCCGGAGGTGTTTGTTCAGCGGCTCTCC
 TGGCTCAGGATTACTGTGACGCCATTGACCTGAACTTGGGCTGCCACAGATGATAGCCAAGAGAGGTCA
 CTATGGCGCTTTCTGCAGGACGAGTGGGACCTGCTCAAAGAATGATTTTGTGGCCACGAGAAACTC
 TCTGTTCTGTACGTGCAAAAATCCGTGTCTCCCGGAGATTGACAAGACCGTGAGGTACGCCAGATGC
 TGGAGAAGGCCGGCTGCCAGTTGCTGACGGTGCACGGACGCCAAGGAGCAGAAGGGGCCCTGTCGGG
 TGCAGCGTCTGGGAGCATATCAAGGCTGTGCGGAAGGCTGTGGCCATCCCTGTGTTTGTAAACGGGAAC
 ATCCAGTGCCTGCAGGAGCTGGAGCGCTGCCTCCGGGACACGGGTGTGCAGGGCGTCATGAGCGCAGAGG
 GCAACCTGCACAACCCCGCCCTGTTTCGAGGGCCGGAGCCCTGCCGTGTGGGAGCTGGCCGAGGAGTATCT
 GGACATCGTGGGGAGCACCCCTGCCCCCTGTCCTACGTCGGGGCCACCTCTTCAAGCTGTGGCACCAC
 ACGCTGCAGGTGCACCAGGAGCTGCGAGAGGAGCTGGCCAAGGTGAAGACCCTGGAGGGCATCGTGCTG
 TGAGCCAGGAGCTGAAGTGCAGTGTGTCAGGAGGAGATATCCAGGCAGGAGGGAGCGAAGCCACCGGCGA
 CTTGCCCTTCCACTGGATCTGCCAGCCCTACATCCGGCCGGGGCCAGGGAGGGGAGCAAGGAGAAGGCA
 GGTGCGCGCAGCAAGCGGGCCCTGGAGGAAGAGGAGGGTGGCACGGAGGTCTGTCCAAGAACAAGCAAA
 AGAAGCAGTGAGGAACCCCAAGACCTTCGACCCCTCTCTGAAGCCAAAATATGCAAAGTGTGACCA
 GTGTGGAAACCCAAAGGCAACAGATGTGTGTTTTCAGCCTGTGCCGCGGCTGCTGCAAGAAGCGAGCCTCC
 AAAGAGACTGCAGACTGCCAGGTCACGGATTGCTTTTTAAAACCAAATTGGAGAAGTCTCTGGCCTGGA
 AAGAGGCCAGCCTGAGCTGCAGGAGCCTCAGCCAGCAGCACCTGGAACACCAGGTGGCTTCTCCGAAGT
 CATGGGCAGTGCCTGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209015 representing NM_022156
 Red=Cloning site Green=Tags(s)

MPKLQGFEFWSRTLGRARHVVPMDQSELAWRLLSRRHGAQLCYTPMLHAQVFVRDANYRKENLYCEVC
 PEDRPLIVQFCANDPEVFVQAALLAQDYCAIDLNLGCPQMIAKRGHYGAFLQDEWDLLQRMILLAHEKL
 SVPVTCKIRVFPEIDKTVRYAQMLEKAGCQLLTVHGRTKEQKGPLSGAASWEHIKAVRKAVAIPVFANGN
 IQCLQDVERCLRDTGVQGVMSAEGNLHNPALFEGRSPAVWELAEYLDIVREHPCPLSYVRAHLFKLWHH
 TLQVHQELREELAKVKTLLEGIAAVSQELKLRQEEISRQEGAKPTGDLPFHWICQPYIRPGPREGSKEKA
 GARSKRALEEEEGTEVLSKNKQKQLRNPHTFDPSLKPKYAKCDQCGNPKGNRCVFLCRGCCCKKRAS
 KETADCPGHLLFKTKLEKSLAWKEAQPELQEPQPAAPGTPGGFSEVMGSALA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_022156

ORF Size: 1419 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: [NM_022156.5](#)

RefSeq Size: 1885 bp

RefSeq ORF: 1422 bp

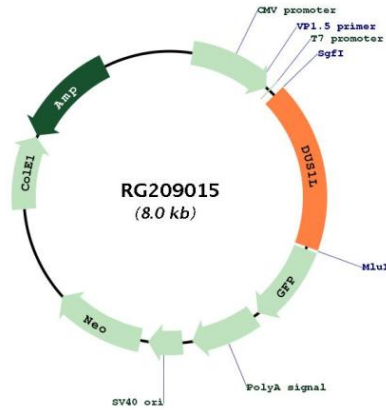
Locus ID: 64118

UniProt ID: [Q6P1R4](#)

Cytogenetics: 17q25.3

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 RG209015