

Product datasheet for **MG215914**

Dus4l (NM_028002) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Dus4l
Synonyms:	2310069P03Rik; 2700089B10Rik; AI482040; Pp35
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215914 representing NM_028002
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGAAGTGACTCCTTACCAACCACAATATGTCAAGAAAGAAAAAGACCCGATAGAAATGTTTCATT
CTGGACAGCTGGTAAAAGTCTGTGCCCGATGGTTCGATATTCAAAAGTTAGCTTTTAGAACATTAGTAAG
AAAATACTCTTGTGACCTGTGTTACACACCAATGATAATTGCTGCTGATTTTGTGAGATCTATAAAAGCC
AGAGACAGTGAATTTACCACAAACCAAGGTGATTGCCCGTTGATTGTTTCAGTTTGTGCTAATGATGCAA
GACTTTTATCTGATGCTGCCCTGTAGTCTGTCCCTATGCAAATGGAATAGATATTAAGTGGTTGCC
TCAGAGGTGGCGATGGCGGACGGTTATGGAGCTTGCTTGATCAACAAGCCAGAGCTTGTTCACGATATG
GTGAGACAAGTGAGAAATCGGGTGGAAAGCCCAAGTTTTTCAGTTTCCATTAAGATAAGGATCCACGATG
ACCTGGCAAGAACCATAGATCTTGGCGGAAGGCTGAAGCAACAGGAGTGTCTGGATTACAGTTCATGG
AAGGACAGTTGAAGAAAGACACCAGCCAGTCCACTACGATGCCATTAATGATAAAGGAAAATGTGTCT
ATACCCATAGTTGCTAATGGAGACATAAGAAGCTTAAAGAAGCAGAAAATGTGTGGCAGATGACTGGGA
CAGATGGTGTGATGGTTGCAAGAGGACTTTTAGCAAACCCAGCTATGTTTGTGGATATGAAGAAACCC
ACTGAAATGTATCTGGGACTGGGTTGACATCTCTTGAACCTGGAACCTCTTTATGTGCTCCATCAG
CATCTGATGTACATGATGGAAAAGATAACGTCAAGGCAGGAGAAGAGAGTATTTAATGCCTTGTCAAGCA
CATCAGCAGTCTGGACTACCTTACGGACCATTATGGTGATGAGTCGCTTTCTAAATCTTTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215914 representing NM_028002
 Red=Cloning site Green=Tags(s)

MRSDSLPTTICQERKKDPIEMFHSQGLVKVCAPMVRYSKLAFRTLVRKYSCDLCYTPMIIAADFVRSIKA
 RDSEFTTNQGDCLIVQFAANDARLLSDAALLVCPYANGIDINCGCPQRWAMADGYGACLINKPELVHDM
 VRQVRNRVESPRFSVSIKIRIHDDLARTIDLCKRAEATGVSWITVHGRTVEERHQPVHYDAIKMIKENVS
 IPIVANGDIRSLKEAENVWQMTGTDGVMVARGLLANPAMFAGYEE TPLKCIWDWVDISLELGTPFMCFHQ
 HLYMMMEKITSRQEKRVFNALSSTSAVLDYLT DHYGDESLSKSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_028002

ORF Size: 972 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_028002.2](#), [NP_082278.1](#)

RefSeq Size: 1768 bp

RefSeq ORF: 975 bp

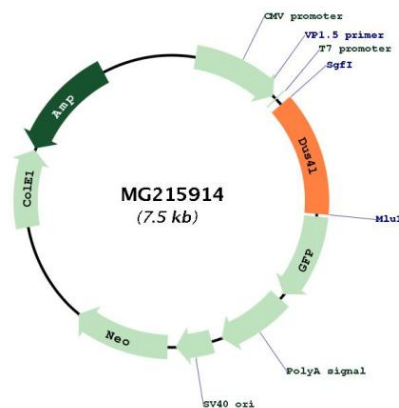
Locus ID: 71916

UniProt ID: [Q32M08](#)

Cytogenetics: 12 A2

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 MG215914