

Product datasheet for **MG208602**

Dalrd3 (BC013483) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dalrd3 (BC013483) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dalrd3
Synonyms:	6330580J24Rik; C77829; mir-425
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208602 representing BC013483
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGACCGGGCGCCTTGGGGTTGGCGAGACGCTGGAGGCCCTTAATGCAGCTGTAGGGCCTGGTAGCC
 CAGTGTGGTTTAAAGGAAACCCATGCCCGGCACCTTCGTGTTGAGACTTCTTGGCACCGGAAGCGCGCT
 ACAGGCGCGCTTCAGGGACGGCCAGGTGCCAGAGTGCCTGTTCCGTGCGGTCTCTGCCTGCAGGGTCCC
 GGAGTGGCCCTGTACTGCGCTGCGCGCCGACCCCGGGTTTATCGCTCCAACACAGCGGCCCGCTG
 TCTTGAACATGTACTCGGTGCCCTGGCCTCCTATGCTACTCCCGCCAAACCTGCCTCACCAGGCCCGCG
 AGTTGTCTACACTGCCAGCACTGCGCTGTAATTCGGGACGCTCCGATTGAGCCAGCTGCGTGCCGTG
 CTCGTAGCCGATCATCTAGTACGGGTACTGCGTGTCTATGGGTACGTGTGTGCTCAGTCCCCCGGTGC
 GGGACCCTCACATGTCACTTTCTCCAGAACTTCGGGTGGAATGGCCACTGCCTCGAAGAGCACCTC
 GACCGAAACACTGAGAACCTGTGTTCTTGCAACCTTAATGGTTCTAAGGAAGCGACGCTGCCCCCTGGC
 GTCCTAGCCGACTGTGTCTGAAGGAACGGTAGAACAGAGAGGCACTGCTGGCTATGACCCAGCATAG
 ACCACTGTTTGGTGACTGAAGATGTGCTCTCTGTGCTCTCGGAGCTGCAGGAGGCTGTGCCCACTGGCC
 AGAGGGCGGCCACCCAGGCCCGCTGGGCGTCCAGATGCTGGTGTAGATGACTGCGTGGTTATACACGTG
 GTTAGCTGTGAAGAGGCATTCCAGCAACAAAAGCTGGATTTGCTCTGGCAGAAATTGGATGACCGGGCTC
 CTCACAAGCAGAAACACCTGGTGTGTGGTCCCCTGAAAATGGCTGGTGTACCCGGCACCCAGCTGACTGC
 CCCTCAGTACTACAGGCTCAGACATGCTCAGGTGTGCGAGGCCTCAGCTCTGAAGCACGGAGGAGACCTG
 GCACAAGACCCCGCTGGACTGAGACCTTCGACATCCTCTCCGTGGCTACCATCAAATTTGAGATGCTAA
 GCACAGCCCCACAGGCCAGCTCCTCTGGCCACAGCACCATCTCAACAAAGGGCACAAGAGCGGGAC
 TTTTGTATGTATAACTGTGCCCGCCTTGCCACACTCTTCGAGGGCTACAAACATGGAACGGAGCAAGGT
 CTGTATCCCACTTTCCGCTTGTGAGCAGTCTGGACTTCTCACTACTCCATGATGAGGGTGAAGTGGCTGC
 TGCTTTTCAACAGTGTCTTCCCTTTCTGGACCTGCTGAGCCAGACTGTGAGTCTGGCCGGCACCCAGG
 CCTCCACATCCCTGTCCGCACGGAGATGGTATGCAAGTTCCTGGTGCAGCTCAGCATGGATTTAGCTCC
 TACTATAACCGAGTACATATTCTAGGGGAACCTCGGCCACACCTTTTGGTCAGATGTTTGTCTCGCTAC
 AGCTTTTGAGGGCAGTGCCTGAGGTGTTCCACACAGGCTTGGCTATGCTGGGCCCTCCCTCCGCTGAGCCA
 CATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208602 representing BC013483
 Red=Cloning site Green=Tags(s)

MATGRLGVGETLEALNAAVGPSPVWFKETHARHLRVRDFLAPRSALQARFRDQVPECVFRAVSLQGP
 GVAPVLRCAPTPAGLSLQLQRPVFEHVLGALASYATPAKPASPGPRVVLHCPALRCNSGLRLSLRAV
 LVADHLVRVLRAGHVRVCSVPPVRDPHMFSTFLQKLRVEWPTASKSTSTETLRTCVLANLNGSKEATLPPG
 VLGRLCLKELVEQRGTAGYDPSIDHCLVTEDVLSVLSLQEAVRHWPEGGHPGAPRPDAGVDDCVVIHV
 VSCEEFQQQKLDLLWQKLDLDRAPHKQKHLVCGPVKMAGVPGTQLTAPQYYRLRHAQVCEASALKHGGDL
 AQDPAWTETFDILSVATIKFEMLSAPQSQLLAHSTISTKGTSGTFVMYNCARLATLFEGYKHGTEQG
 LYPTFPLVSSLDLHDEGEWLLLNSVLPFLDLLSQTVSLAGTPGLHIPVRTEMVCKFLVQLSMDFSS
 YYNRVHILGEPRPHLFGQMFARLQLLRVREVFHTGLAMLGLPLSHI

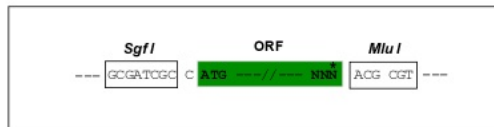
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGTACTAGTAGCGGACG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---
 T R T R P L E M E S D - - -
 --- --- GAA GAA AGA GTT TAA ACGGCCGCCCGGAGCT
 - - E E R V Stop

ACCN: BC013483

ORF Size: 1614 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: [BC013483.1](#)

RefSeq Size: 1736 bp

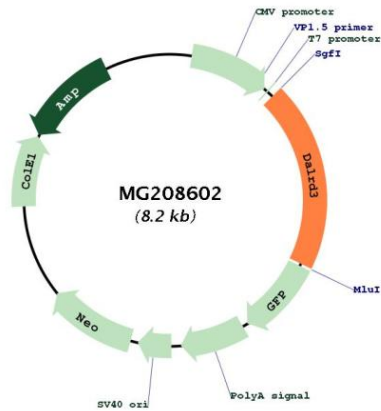
RefSeq ORF: 1616 bp

Locus ID: 67789

Cytogenetics: 9 F2

Gene Summary: Involved in tRNA methylation. Facilitates the recognition and targeting of tRNA(Arg)(CCU) and tRNA(Arg)(UCU) substrates for N(3)-methylcytidine modification by METTL2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208602