

Product datasheet for **MR208602**

Dalrd3 (BC013483) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dalrd3 (BC013483) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dalrd3
Synonyms:	6330580J24Rik; C77829; mir-425
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208602 representing BC013483
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACCGGGCGCCTTGGGGTTGGCGAGACGCTGGAGGCCCTTAATGCAGCTGTAGGGCCTGGTAGCC
 CAGTGTGGTTTAAGGAAACCCATGCCCGGCACCTTCGTGTTGAGACTTCTTGGCACCGCAAGCGCGCT
 ACAGGCGCGCTTCAGGGACGGCCAGGTGCCAGAGTGCCTGTTCCGTGCGGTCTCTGCCTGCAGGGTCCC
 GGAGTGGCCCTGTACTGCGCTGCGCGCCGACCCCGGGTTTATCGCTCCAACACAGCGGCCCGCTG
 TCTTGAACATGTACTCGGTGCCCTGGCCTCCTATGCTACTCCCGCCAAACCTGCCTCACCAGGCCCGCG
 AGTTGTCTACACTGCCAGCACTGCGCTGTAATTCGGGACGCTCCGATTGAGCCAGCTGCGTGCCGTG
 CTCGTAGCCGATCATCTAGTACGGGTACTGCGTGCTCATGGGTACGTGTGTGCTCAGTCCCCCGGTGC
 GGGACCCTCACATGTCAACTTTCTCCAGAACTTCGGGTGGAATGGCCCACTGCCTCGAAGAGCACCTC
 GACCGAAACACTGAGAACCTGTGTTCTTGCAACCTTAATGGTTCTAAGGAAGCGACGCTGCCCTTGGC
 GTCTAGGCCGACTGTGTCTGAAGGAACGGTAGAACAGAGAGGCACTGTGGCTATGACCCAGCATAG
 ACCACTGTTTGGTGACTGAAGATGTGCTCTCTGTGCTCTCGGAGCTGCAGGAGGTGTGCCCACTGGCC
 AGAGGGCGGCCACCCAGGCCCGCTGGGCGTCCAGATGCTGGTGTAGATGACTGCGTGTTATACACGTG
 GTTAGCTGTGAAGAGGCATTCCAGCAACAAAAGCTGGATTTGCTCTGGCAGAAATTGGATGACCGGGCTC
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 CCCTCAGTACTACAGGCTCAGACATGCTCAGGTGTGCGAGGCCTCAGCTCTGAAGCACGGAGGAGACCTG
 GCACAAGACCCCGCTGGACTGAGACCTTCGACATCCTCTCCGTGGCTACCATCAAATTTGAGATGCTAA
 GCACAGCCCCACAGAGCCAGCTCCTCTGGCCACAGCACCATCTCAACAAAGGGCACAAAGAGCGGGAC
 TTTTGTATGTATAACTGTGCCCGCCTTGCCACACTCTTCGAGGGCTACAAACATGGAACGGAGCAAGGT
 CTGTATCCCACTTTCCGCTTGTGAGCAGTCTGGACTTCTCACTACTCCATGATGAGGGTGAAGTGGCTGC
 TGCTTTTCAACAGTGTCTTCCCTTTCTGGACCTGCTGAGCCAGACTGTGAGTCTGGCCGGCACCCAGG
 CCTCCACATCCCTGTCCGCACGGAGATGGTATGCAAGTTCCTGGTGCAGCTCAGCATGGATTTAGCTCC
 TACTATAACCGAGTACATATTCTAGGGGAACCTCGGCCACACCTTTTGGTCAGATGTTTGTCTCGCTAC
 AGCTTTTGAGGGCAGTGCCTGAGGTGTTCCACACAGGCTTGGCTATGCTGGGCCTCCCTCCGCTGAGCCA
 CATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208602 representing BC013483
 Red=Cloning site Green=Tags(s)

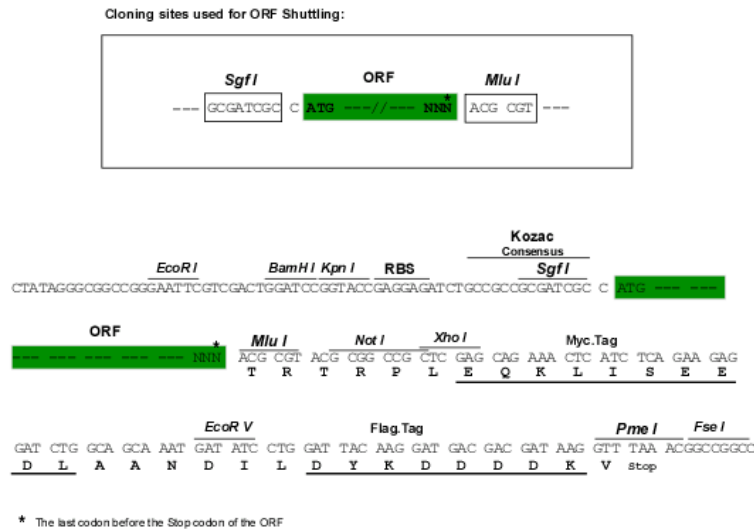
MATGRLGVGETLEALNAAVGPSPVWFKEHARHLRVRDFLAPRSALQARFRDGGVPECVFRAVSLQGP
 GVAPVLRCAPTAGLSLQLQRPVFEHVLGALASYATPAKPASPGPRVVLHCPALRCNSGTLRLSQLRAV
 LVADHLVRVLRAGVVRVCSVPPVRDPHMFSTFLQKLRVIEWPTASKSTSTETLRTCVLANLNGSKEATLPPG
 VLGRCLCKELVEQRGTAGYDPSIDHCLVTEDVLSVSELQEAVRHWPEGGHPGPAGRPDAGVDDCVVIHV
 VSCEEFQQQKLDLLWQKLDLDRAPHKQKHLVCGPVKMAGVPGTQLTAPQYYRLRHAQVCEASALKHGGDL
 AQDPAWTETFDILSVATIKFEMLSAPQSQLLLAHSTISTKGTSGTFVMYNCARLATLFEGYKHGTEQG
 LYPTFPLVSSLDLHDEGEWLLLFNSVLPFLDLLSQTVSLAGTPGLHIPVRTEMVCKFLVQLSMDFFS
 YYNRVHILGEPRPHLFGQMFARLQLLRVREVFHTGLAMLGLPLSHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



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](#)

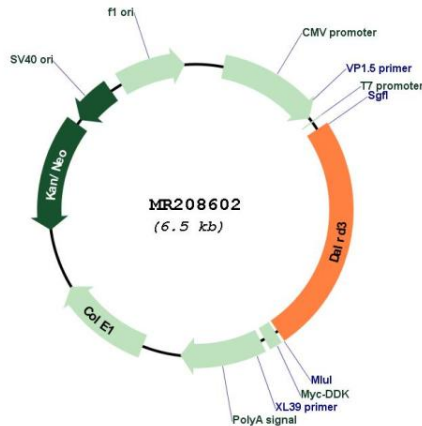
RefSeq Size: 1736 bp

RefSeq ORF: 1616 bp

Locus ID: 67789

Cytogenetics:	9 F2
MW:	58.7 kDa
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 MR208602