

## Product datasheet for **MR220507**

### **Dalrd3 (NM\_026378) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dalrd3 (NM_026378) 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:**

>MR220507 representing NM\_026378  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGACCGGGCGCCTTGGGGTTGGCGAGACGCTGGAGGCCCTAATGCAGCTGTAGGGCCTGGTAGCC  
 CAGTGTGGTTAAGGAAACCCATGCCCGGCACCTTCGTGTTTCGAGACTTCTTGGCACCGGAAGCGCGCT  
 ACAGGCGCGCTTACGGGACGGCCAGGTGCCAGAGTGCCTGTTCCGTGCGGTCTCCTGCCTGCAGGGTCCC  
 GGAGTGGCCCTGTACTGCGCTGCGCGCCGACACCCGCGGGTTTATCGCTCCAACACAGCGGCCCGCTG  
 TCTTCGAACATGTACTCGGTGCCCTGGCCTCCTATGCTACTCCCGCAAACCTGCCTCACCAGGCCCGCG  
 AGTTGTCTACACTGCCAGCACTGCGCTGTAATTCGGGGACGCTCCGATTGAGCCAGCTGCGTGCCGTG  
 CTCGTAGCCGATCATCTAGTACGGGTACTGCGTGTCTATGGGTACGTGTGTCTCAGTCCCCCGGTGC  
 GGGACCCTCACATGTCAACTTTCCTCCAGAACTTCGGGTGGAATGGCCCACTGCCTCGAAGAGCACCTC  
 GACCGAAACACTGAGAACCTGTGTTCTTGCAAACCTTAATGGTTCTAAGGAAGCGAGCTGCCCCCTGGC  
 GTCTAGGCCGACTGTGTCTGAAGGAACTGGTAGAACAGAGAGGCACTGCTGGCTATGACCCAGCATAG  
 ACCACTGTTTGGTGACTGAAGATGTGCTCTCTGTGCTCTCGGAGCTGCAGGAGGCTGTGCCCACTGGCC  
 AGAGGGCGGCCACCCAGGCCCGCTGGCGTCCAGATGCTGGTGTAGATGACTGCGTGGTTATACACGTG  
 GTTAGCTGTGAAGAGGCATTCCAGCAACAAAAGCTGGATTTGCTCTGGCAGAAATGGATGACCGGGCTC  
 CTCACAAGCAGAAACACCTGGTGTGTGGTCCCGTGAAAATGGCTGGTGTACCCGGCACCCAGCTGACTGC  
 CCCTCAGTACTACAGGCTCAGACATGCTCAGGTGTGCGAGGCCTCAGCTCTGAAGCACGGAGGAGACCTG  
 GCACAAGACCCCGCTGGACTGAGACCTTCGACATCCTCTCCGTGGCTACCATCAAATTTGAGATGCTAA  
 GCACAGCCCCACAGACCAGCTCCTCTGGCCACAGCACCATCTCAACAAAGGGCACAAGAGCGGGGAA  
 TTTTGTATGTATAACTGTGCCCGCTTGCCACACTCTTCGAGGGCTACAACATGGAACGGAGCAAGGT  
 CTGTATCCCACTTTTCCGCTTGTGAGCAGTCTGGACTTCTCACTACTCCATGATGAGGGTGAAGTGGCTGC  
 TGCTTTTCAACAGTGTCTTCCCTTTCTGGACCTGCTGAGCCAGACTGTGAGTCTGGCCGGCACCCAGG  
 CCTCCACATCCCTGTCCGCACGGAGATGGTATGCAAGTTCCTGGTGCAGCTCAGCATGGATTTAGCTCC  
 TACTATAACCGAGTACATATTCTAGGGAACTCGGCCACACCTTTTGGTCAAGTGTGCTCGCTAC  
 AGCTTTTGAAGGCAGTGCCTGAGGTGTTCCACACAGGCTTGGCTATGCTGGCCCTCCCTCCGCTGAGCCA  
 CATC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR220507 representing NM\_026378  
 Red=Cloning site Green=Tags(s)

MATGRLGVGETLEALNAAVPGSPVWFKETHARHLRVRDFLAPRSALQARFRDQVPECVFRAVSLQGP  
 GVAPVLRCAPTPAGLSLQLQRPVFEHVLGALASYATPAKPASPGPRVVLHCPALRCNSGTLRLSQLRAV  
 LVADHLVRVLRHAGVRVCSVPPVRDPHMSTFLQKLRVEWPTASKSTSTETLRTCVLANLNGSKEATLPPG  
 VLGRLCLKELVEQRGTAGYDPSIDHCLVTEDEVLSVLSLQEAVRHWPEGGHPGAPRPDAGVDDCVVIHV  
 VSCEEFQQLDLLWQKLDLDRAPHKQKHLVCGPVKMGVPGTQLTAPQYYRLRHAQVCEASALKHGGDL  
 AQDPAWTEFTFDILSVATIKFEMLSAPQSQLLLAHSTISTKGTSGTFVMYNCARLATLFEGYKHGTEQG  
 LYPTFPLVSSLDLFLHDEGEWLLLNFNSVLPFLDLLSQTVSLAGTGPLHIPVRTEMVCKFLVQLSMDFSS  
 YYNRVHILGEPHFLFGQMFARLQLLRVREVFHTGLAMLGLPPLSHI

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9043\\_f04.zip](https://cdn.origene.com/chromatograms/mm9043_f04.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_026378

**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.

**RefSeq:** [NM\\_026378.3](#), [NP\\_080654.3](#)

**RefSeq Size:** 1737 bp

**RefSeq ORF:** 1617 bp

**Locus ID:** 67789

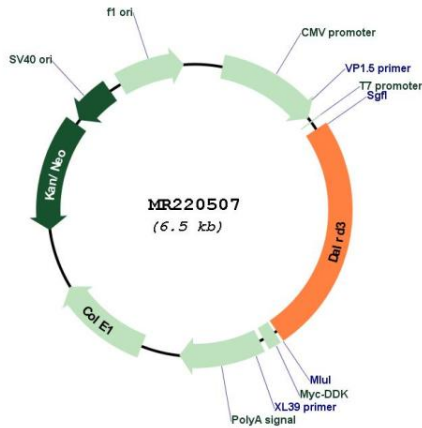
**UniProt ID:** [Q6PIN8](#)

**Cytogenetics:** 9 F2

**MW:** 59.2 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 MR220507