

Product datasheet for **MG205085**

Dnd1 (NM_173383) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dnd1 (NM_173383) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dnd1
Synonyms: BC034897; RBMS4; Ter
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205085 representing NM_173383
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCTCCCTCCCATCCCCACCCCTACCCCCCCCCCAGCTTTATCCTGGAGCTTAAAAACATCCTTG
 TGGACCACAGTAACCAACAAAATCCTTTCCCTCCAGGCTGGGTGGGCGAGCCGCCACCGTCAGGGTCCGA
 GGTGTATATCGGACGACTTCCGACGACGTGTACGAGCACCAGCTAATCCACTCTTCCAGCGCGTGGGG
 CGCCTCTATGAGTTCGCCTAATGATGACCTTCAGTGGTTGAACCGCGGCTTTGCCTATGCGCGCTACA
 GCTCGCGGCGCGGTGCCAGGCCCATTTGCTACGCTGCACAACCACCAGCTGCGGCCTTCTTGCCAGCT
 CCTGGTGTGCCAAGCACCGAGAAGTGGCAGCTGACGGTGGACGGGCTGCCTCTTAGCTAAACCGCCGA
 GCGTTACTGCTCGCCCTGCAACCGTTCCGGTCCCTGCCTCCAGGAGACACTGCTGCTACCCAGCCCTGGGT
 CTGCGCCCTCTCAGATTGCGCTGCTCAAGTTCAGTACGCACCGAGCTGCTGCTATGGCCAAAAGGCCCT
 GGTAGAAGGTCAGTCACGCCTCTGTGGAGAGCAGGTGGCTGTGGAGTGGCTCAAGCCAGACCTAAAGCAG
 CACTTCCGCCAGCAGCTTGCAAGTCCCTCACTGCGGTTCTCAGGCCAGATGTCAGCCAACTAACCCAGA
 CCAGGGAGAAGCTGGGGTCCCAAGGGGCTCGGGCTGCCCTGCAACTGCTGTGTCAACGGATGAAGCTAGG
 CAGCCCAGTGTTCCTGACCAAGTGTGTTAGGAACAGGGCCTGCTGGCTGGCATCGCTTTTGGTACCAGGTG
 GTGATCCCTGGGCATCCAGTGCCTTTTCACTGCGCTCATTGGGTGTGTTGGCCTCTGATTGGCAGGATG
 GGCATGAGGTGGCCAAGGATGCTGTGTCCGCACAGCTGCTGGAGGCACTGAGTGAACCTAGGACCAGCTT
 GTGGTCTCCTGGGGCTGAAGCAGTACTATGGTTAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205085 representing NM_173383
 Red=Cloning site Green=Tags(s)

MVSLPSPPLPPPPSFILELKNILVDHSNQNPFPFGWVGSPPPSGSEVYIGRLPQDVYEQLIPLFQRVG
 RLYEFRLMMTFSGLNRFAYARYSSRRGAQAAIATLHNHQLRPSCQLLVCRSTEKCELTVDGLPLSLNRR
 ALLLALQPFPGCLQETLLLPSPGSAPSQIALLKFSHRAAAMAKKALVEGQSRLCGEQVAVEWLKPDLKQ
 HFRQQLAGPSLRFRLRPDVSQLTQTREKLGSGGARAALQLLCQRMKLGSPVFLTKCLGTGPAGWHRFWYQV
 VIPGHPVPFSGLIWVVLASDWQDGHEVAKDAVSAQLLEALSEPRTSLWSPGAEAGTMVKQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173383

ORF Size: 1020 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_173383.1](#), [NP_775559.1](#)

RefSeq Size: 1825 bp

RefSeq ORF: 1059 bp

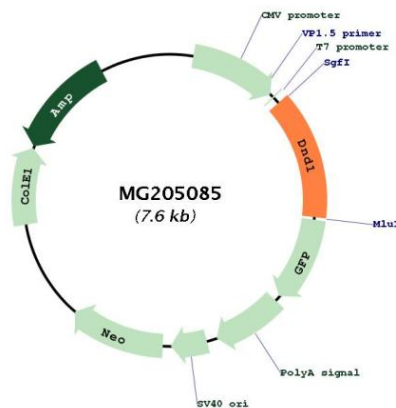
Locus ID: 213236

UniProt ID: [Q6VY05](#)

Cytogenetics: 18 19.46 cM

Gene Summary: RNA-binding factor that positively regulates gene expression by prohibiting miRNA-mediated gene suppression (By similarity). Relieves miRNA repression in germline cells (By similarity). Prohibits the function of several miRNAs by blocking the accessibility of target mRNAs (By similarity). Sequence-specific RNA-binding factor that binds specifically to U-rich regions (URRs) in the 3' untranslated region (3' UTR) of several mRNAs (By similarity). Does not bind to miRNAs (By similarity). Isoform 1 may play a role during primordial germ cell (PGC) survival. However, does not seem to be essential for PGC migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205085