

Product datasheet for MR205085

Dnd1 (NM_173383) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnd1 (NM_173383) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnd1
Synonyms:	BC034897; RBMS4; Ter
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205085 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTCTCCCTCCCATCCCCACCCCTACCCCCCCCCCAGCTTTATCCTGGAGCTTAAAAACATCCTTG
TGGACCACAGTAACCAACAAAATCCTTTCCCTCCAGGCTGGGTGGGCGAGCCCGCCACCGTCAGGGTCCGA
GGTGTATATCGGACGACTCCGACGAGCGTGTACGAGCACCAGCTAATCCACTCTTCCAGCGCGTGGGG
CGCCTCTATGAGTTCGCTAATGATGACCTTCAGTGGTTGAACCGCGGCTTTGCCTATGCGCGCTACA
GCTCGCGGCGCGGTGCCAGGCCGCAATTGCTACGCTGCACAACCACCAGCTGCGGCCTTCTTGCCAGCT
CCTGGTGTGCCAAGCACCGAGAAGTGGCAGCTGACGGTGGACGGGCTGCCTCTTAGCTAAACCGCCGA
GCGTTACTGCTCGCCCTGCAACCGTTCCGTCCTGCTCCAGGAGACTGCTGCTACCCAGCCCTGGGT
CTGCGCCCTCTCAGATTGCGCTGCTCAAGTTCAGTACGCACCGAGCTGCTGCTATGGCCAAAAGGCCCT
GGTAGAAGGTCAGTCACGCCTCTGTGGAGAGCAGGTGGCTGTGGAGTGGCTCAAGCCAGACCTAAAGCAG
CACTTCCGCCAGCAGCTTGCAAGTCCCTCACTGCGGTTCTCAGGCCAGATGTCAGCCAACTAACCCAGA
CCAGGGAGAAGCTGGGGTCCCAAGGGGCTCGGGCTGCCCTGCAACTGCTGTGTCAACGGATGAAGCTAGG
CAGCCCAGTGTTCCTGACCAAGTGTAGGAACAGGGCCTGCTGGCTGGCATCGCTTTTGGTACCAGGTG
GTGATCCCTGGCATCCAGTGCCTTTTCAGTGGCCTCATTTGGGTTGTGTTGGCCTCTGATTGGCAGGATG
GGCATGAGGTGGCCAAGGATGCTGTGTCGCACAGCTGCTGGAGGCACTGAGTGAACCTAGGACCAGCTT
GTGGTCTCCTGGGCTGAAGCAGGTAATGTTAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205085 protein sequence
 Red=Cloning site Green=Tags(s)

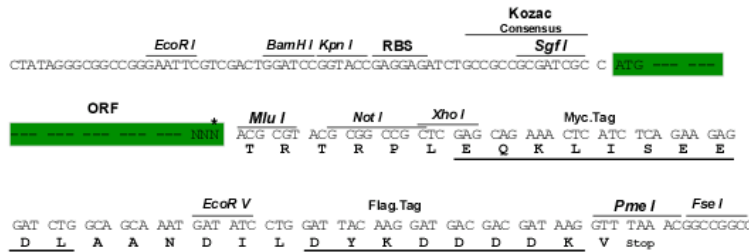
MVSLPSPPLPPPSFILELKNILVDHSNQNPFPFGWVGSPPPSGSEVYIGRLPQDVYEQLIPLFQRVG
 RLYEFRLMMTF SGLNRGFAYARYSSRRGAQAAIATLHNHQLRPSCQLLVCRSTEKCELTVDGLPLSLNRR
 ALLLALQPFPGCLQETLLLPSPGSAPSQIALLKFSTHRAAAMAKKALVEGQSRLCGEQVAVEWLKPDLKQ
 HFRQQLAGPSLRFRLRPDVSQLTQTREKLGSGARAALQLLCQRMKLGSPVFLTKCLGTGPAGWHRFWYQV
 VIPGHPVPF SGLIWWVLASDWQDGHEVAKDAVSAQLLEALSEPRTSLWSPGAEAGTMVKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173383

ORF Size: 1023 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_173383.2](#)

RefSeq Size: 1490 bp

RefSeq ORF: 1059 bp

Locus ID: 213236

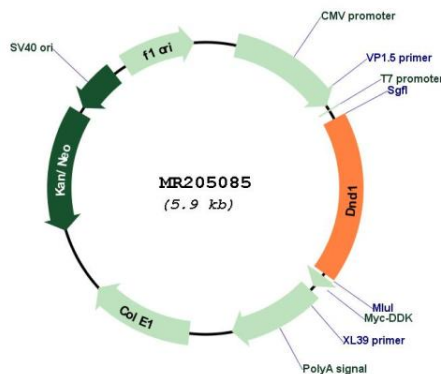
UniProt ID: [Q6VY05](#)

Cytogenetics: 18 19.46 cM

MW: 37.5 kDa

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 MR205085