

Product datasheet for **RR205766**

Dmrt1 (NM_053706) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dmrt1 (NM_053706) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Dmrt1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR205766 representing NM_053706
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTAACGACGACGCATTTCGGCAAGCCCTCTGCACCGACGGAGGTTCTCACGCTCCCGGGGCTCCGC
 CGCAGGGCAAAGCCGGGGGCTACAGCAAAGCCACTGGGGCGATGGCCGGAGCAGCCGGGGGCTCCAGTGC
 GGGGGGCGAGGGAGGTGCCTCGGGCTCCGGGCCGTCGGGCTGGGCTTGAAGCAAGAAGTCCCGAGG
 CTGCCAAATGCGCTCGCTGCAGGAACACGGCTACGCGTCGCCGCTCAAGGGCCACAAGCGCTTTTGCA
 TGTGGCGGGACTGCCAGTGAAGAAGTGCAGCCTGATTGCCGAGCGACGGGGTGTGGCCGCGCAGGT
 GGCCCTGAGAAGACAGCAGGCCAGGAAGAGGAGCTGGGCATCAGCCACCCATTCCGCTGCCAGCGCA
 GCAGAGCTGCTGGTCAAAGAGAGAATAGTGCCAGCAACCCGTGCCTGATGGCTGAGAGCAGCAGCTCGG
 CCCAGCCCCACCGGCCAGCACCCCAACCCCACTGTCTCAGAGGGACGCATGGTCATCCAGGATATCCC
 TGCTGTCACCAGCAGAGGGCACATGGAGAACGCACCTGACCTGATGTCAGACCCCGCCTACTACAGCAGC
 TTTTACCAGCCGTCTCTGTTTCTTACTACAACAATCTGTACAACCTACCCCACTCCATGGCCTTGT
 CTGCTGAGTCTCCTCAGGGGACGTGGGAAATCCCTTGGGGATCCCTGTGAAGAACAGCCTGCGTAG
 TCTCCCAGCACCTTATGTGCTGCTCAGACTGGAACAGTGGCAGATGAAGACCTCAGAGGGCCGCCAC
 CCAGTGAGCTCCAGTACCGGATGCACTCATACTATGGGCCTCCCTCCTACCTGGGTGAGCAGATGTCCC
 AGATCTTTACCTTTGAGGAAGGCCCTCCTACTCAGAAGCCAAAGCAAGTGTGTTCTCGCCGCCAGCAG
 TCAAGATTCTGGCTTGGTTTCCCTCTCCAGCAGCTCTCCGATGAGCAACGAGAGCACGAAGGGAGTTCTG
 GAATGCGAGTCTGCGTCTCTGAACCTAGCAGCTACGCGGTCAACCAGGTCTGGAAGAGGATGAGGACG
 AG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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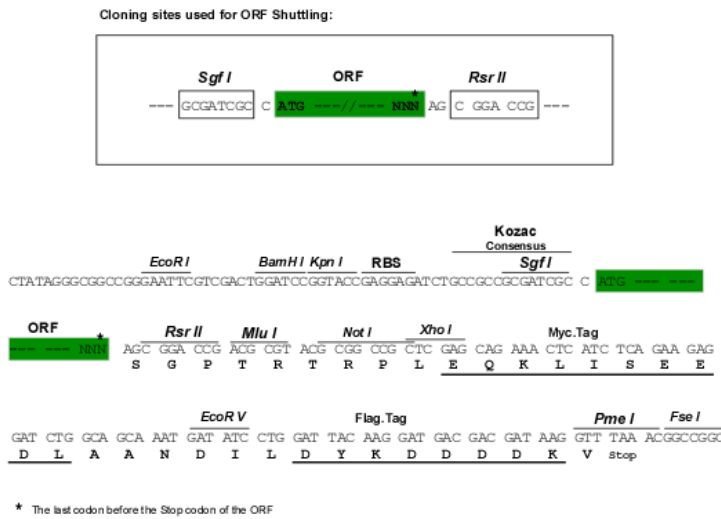
Protein Sequence: >RR205766 representing NM_053706
 Red=Cloning site Green=Tags(s)

MPNDDAFGKPSAPTEVPHAGAPPQKGAGGYSKATGAMAGAAGGSSAGGSGGASGSGPSGLGSGSKKSPR
 LPKCARCRNHGYASPLKGHKRF CMWRDCQCKKCSLIAERQVMAAQAVALRRQAQEEELGISHP IPLPSA
 AELLVKRENSASNPLMAESSSSAQPPASTPTPTVSEGRMVIQDIPAVTSRGHMENAPDLMSDPAYSS
 FYQPSLFPYYNNLYNYPQYSMALSAESSSGDVG NPLGGSPVKNSLRSLPAPYVPAQTGNQWQMKTSEGRH
 PVSSQYRMHSYYGPPSYLGQSMSQIFTFEEGPSYSEAKASVFSPPSSQDSGLVLSSSSPMSNESTKGVL
 ECESASSESSYAVNQVLEEDEDE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_053706

ORF Size: 1122 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_053706.1](#), [NP_446158.1](#)

RefSeq Size: 1415 bp

RefSeq ORF: 1125 bp

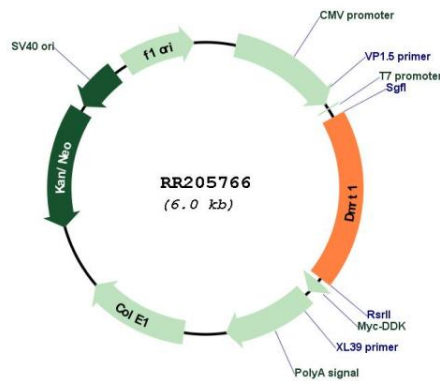
Locus ID: 114498

Cytogenetics: 1q51

MW: 39.4 kDa

Gene Summary: transcription factor required for postnatal testis differentiation [RGD, Feb 2006]

Product images:



Circular map for RR205766