

## Product datasheet for **RG216289**

### DMRT3 (NM\_021240) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DMRT3
Synonyms:	DMRTA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >RG216289 representing NM\_021240  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGAACGGCTACGGCTCCCCACCTGTACATGGGCGGCCGGTGTGCGAGCCGCCACGGGCGCCCTGC  
 AGCGCACGCCCAAGTGC GCGCGCTGCCGCAACCATGGCGTCTGTCTGGCTCAAGGGCCACAAGCGTTA  
 CTGCCGCTTCAAGGACTGCACCTGCGAGAAGTGCATCCTCATCGAGCGGCAGCGGGTCAATGGCTGCC  
 CAGGTGGCGCTGCGCCGCGCAGCAGGCCAACGAGAGCTTGGAGAGCCTCATCCCCGACTCGCTGCGCGCTC  
 TGCCAGGGCCCCCGCCGGGGGACGCCGTGCGCCGCCCGCAGCCGCCAGCCTCTCAGCCGTCGCA  
 GCCGACGCCCGCCGCGCCTGCTGCCGAGTTGGCCGCGGCCCGCGCTGCGTTGGACTGCCGAGCCGCGAG  
 CCCGGGCTCTGCAGGCGCAGCTCGCCAAGCCAGATTTGACTGAAGAACGACTTGGAGACGCAAGTCGG  
 CAGACAATACAGAGGTCTTCAAGTACAAAGACTGACCAGAGGAGTCCCCAGATGTGGCAAGAGTAA  
 GGGCTGCTTACCCTGAGAGCCCTGAGATAGTGTCCGTGGAGGAAGGGGGATACGCTGTCCAGAAAAAC  
 GGAGGCAACCCCGAGAGCCGCTGACAGCCCCAAGTGTACGCGGAGCAGAATCACCTCCTGATTGAGG  
 GCCCTCGGGGACTGTTTCTGCCCCTTACGCTTGAAGCCAACAGACCGCCGCTTGAAGTGTAAAAAA  
 GATATCCCCAACAGAAGCCAACGGTGTGAGTCACTCCTCAAGGGCTGTGGCGGGGACCTGGTGAGC  
 GCCGTGGAAGTCTTCTGTCCAGCCGATCCTCAGTACGGGAGCAGAGCGAACTCCGCAGAACCTGAGA  
 GTCTAGCGTTGCCCTCCAATGGGCACATCTTTGAACACACCTTGAGCTCCTACCCCATCTCGCTCTTCAA  
 ATGGTCTGTGGGATCAGCCTTTCGAGTCCCAGACACGTTGAGGTTTTCTGCCGACTTAGCAACGTTGTC  
 CCCAGTCCCTTGGCTGGCCTCTGCAGCCCCCTTCCCCAGCCACCCCGGTACCCGCTGATGCTGAGGA  
 ATACTTTGGCGAGAAGCCAGTGCAGCCCCCTTTTGGCCAATGATGTACCCTGTGGAACACCATGACGCT  
 GCAGCAGCAGTATCAGCTGAGGTCCAGTATGTAGTCTTTCCCCAGTAACTTACCAGCGTCTTCAGA  
 AGCTCGCCCGTCTTCTGCCCCGCCACGGAAGACCCTCGGATTTCCATCCCTGATGATGGGTGTCAT  
 TTGTGTCAAAGCAGTCCATTTACCCGAGGACGACTATGACGAGAGGTCTGACTCCTCAGACTCTAGAAC  
 ACTCAACACATCATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG216289 representing NM\_021240  
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MNGYGSPYLYMGGPVSQPPRAPLQRTPKCARCRNHGVL SWLKGHKRYCRFKDCTCEKCILIIERQRMVA  
 QVALRRQQANESLES LIPDSL RALPGPPPGDAVAAPQPPASQPSQPQPPRPAE LAAAAALRWTAEPQ  
 PGALQAQLAKPDL TEERLGDGKSADNTEVFSDKDTDQRSSPDVAKSKGCF TPESPEIVSVEEGGYAVQKN  
 GGNPESRPDSPKCHAEQNHL LIEGPSGTVSLPFLSKANRPPLEVLKKIFPNQKPTVLELILKCGGDLVS  
 AVEVLLSSRSSVTGAERTSAEPESLALPSNGHIFEHTLSSYPISSSKWSVGSAFRVPDTLRF SADSSNVV  
 PSPLAGPLQPPFPQPPRYPLMLRNTLARSQSSPFLPNDVTLWNTMTLQQYQLRSQYVSPFSPNSTSVFR  
 SSPVLPARATEDPRISIPDDGCPFVSKQSIYTEDDYDERSDSSDSRSLNTSS

TRTRPLE - GFP Tag - V

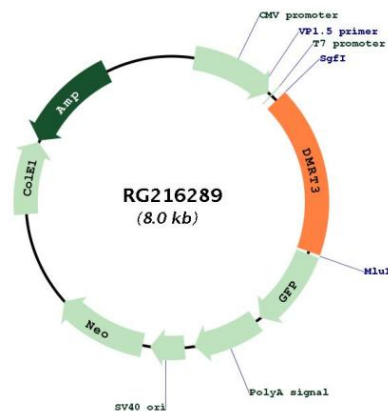
**Restriction Sites:** SgfI-MluI



RefSeq Size:	2184 bp
RefSeq ORF:	1419 bp
Locus ID:	58524
UniProt ID:	<a href="#">Q9NQL9</a>
Cytogenetics:	9p24.3

**Gene Summary:** Probable transcription factor that plays a role in configuring the spinal circuits controlling stride in vertebrates. Involved in neuronal specification within specific subdivision of spinal cord neurons and in the development of a coordinated locomotor network controlling limb movements. May regulate transcription during sexual development (By similarity).  
[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG216289