

Product datasheet for **RC221546**

dystrophia myotonica containing WD repeat motif (DMWD) (NM_004943) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	dystrophia myotonica containing WD repeat motif (DMWD) (NM_004943) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	dystrophia myotonica containing WD repeat motif
Synonyms:	D19S593E; DMR-N9; DMRN9; gene59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221546 representing NM_004943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGCGGGCGCGCGGAGGGCGGCTCGGGCCCCGGCGCCCATGGGGGACTGCGCGGAGATTAAGT
 CGCAATTCGCGACGCGCGAGGGTTTCTACAAGCTACTCCGGGGGACGGCGCCGCTCGCAGGTCGGGTCC
 GGCTTCCGCCCAGACTCCGGTGCCGCTCAGCCACCGCAGCCCCGCGCGCCCTGCCTCCGCTCCGGT
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Protein Sequence: >RC221546 representing NM_004943
 Red=Cloning site Green=Tags(s)

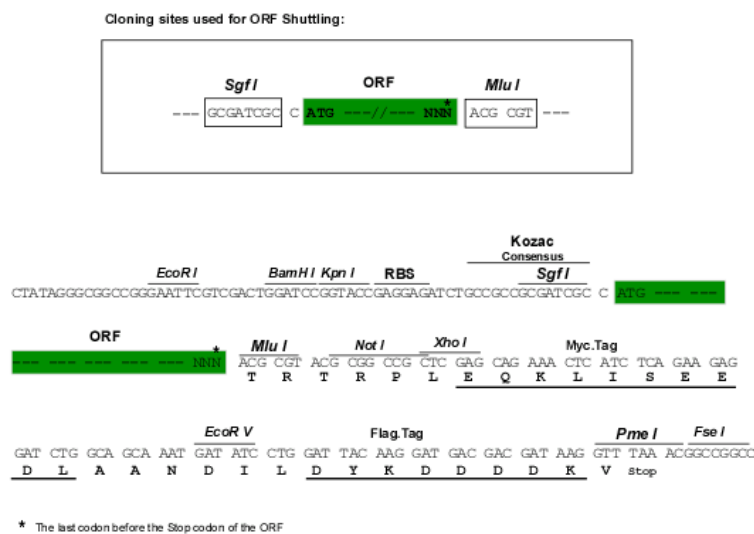
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GEKPSGPVPRSLDPAKVLGTALCPRIHEVPLLEPLVCKKIAQERLTVLLFLEDCIITACQEGELICTWAR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_f11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_004943

ORF Size: 2022 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_004943.2](#)

RefSeq Size: 3308 bp

RefSeq ORF: 2025 bp

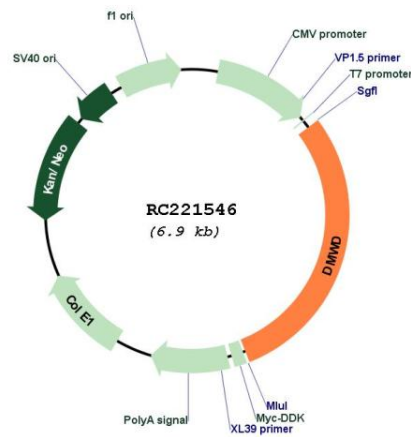
Locus ID: 1762

UniProt ID: [Q09019](#)

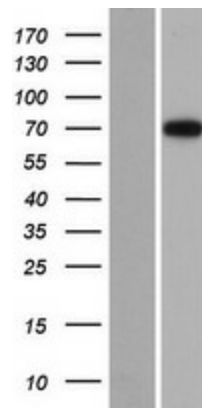
Cytogenetics: 19q13.32

MW: 70.3 kDa

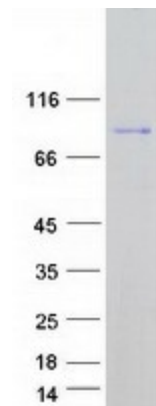
Product images:



Circular map for RC221546



Western blot validation of overexpression lysate (Cat# [LY417644]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221546 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DMWD protein (Cat# [TP321546]). The protein was produced from HEK293T cells transfected with DMWD cDNA clone (Cat# RC221546) using MegaTran 2.0 (Cat# [TT210002]).