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Product datasheet for MR200059

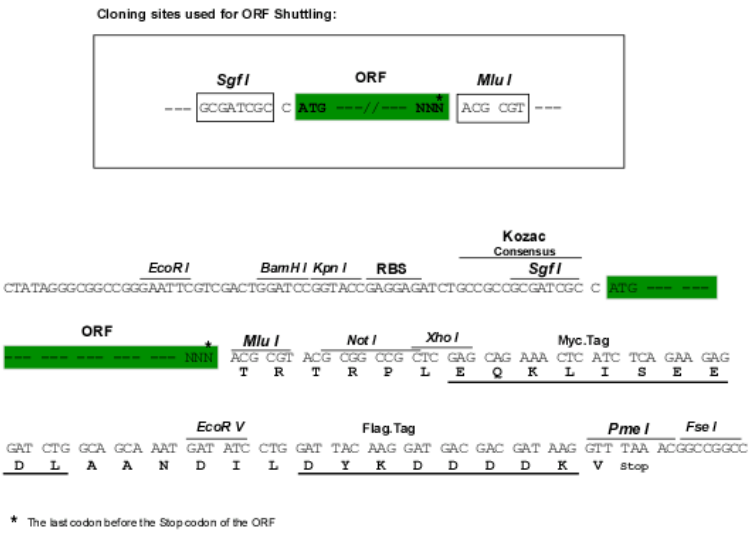
Mt3 (NM_013603) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mt3 (NM_013603) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mt3
Synonyms:	Mt-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR200059 representing NM_013603 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGACCCTGAGACCTGCCCCTGTCCTACTGGTGGTTCCTGCACCTGCTCGGACAAATGCAAGTGCAAGG GCTGCAAATGCACGAACTGCAAGAAGAGCTGCTGCTCCTGCTGCCCTGCCGGATGTGAGAAGTGTGCCAA GGACTGTGTGTGCAAAGGTGAAGAGGGGGCCAAGGCAGAGGCCGAGAAATGCAGCTGCTGCCAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>MR200059 representing NM_013603 Red=Cloning site Green=Tags(s) MDPETCPCPTGGSCTCSDKCKCKGCKCTNCKKSCCSCCPAGCEKCAKDCVCKGEEGAKAEAEKCSCCQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mm9037_h02.zip
Restriction Sites:	SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_013603

ORF Size: 204 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_013603.2, NP_038631.1

RefSeq Size: 538 bp

RefSeq ORF: 207 bp

Locus ID: 17751

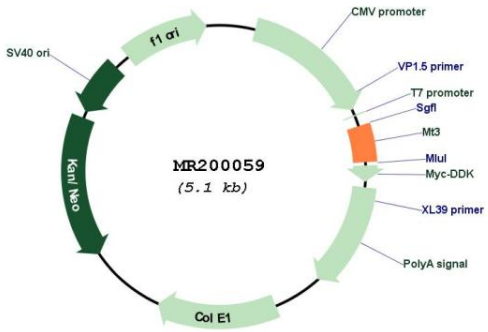
UniProt ID: P28184

Cytogenetics: 8 46.29 cM

MW: 7.5 kDa

Gene Summary: Binds heavy metals. Contains three zinc and three copper atoms per polypeptide chain and only a negligible amount of cadmium. Inhibits survival and neurite formation of cortical neurons in vitro (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200059