

Product datasheet for MG200059

Mt3 (NM_013603) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Mt3 (NM 013603) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Mt3

Synonyms: Mt-3

Mammalian Cell Neomycin

Selection:

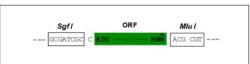
Vector: pCMV6-AC-GFP (PS100010)

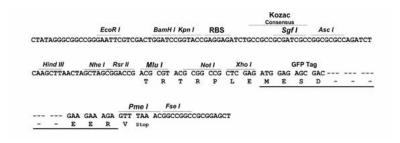
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_013603

ORF Size: 204 bp



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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. <u>More info</u>

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: <u>NM 013603.2</u>, <u>NP 038631.1</u>

 RefSeq Size:
 538 bp

 RefSeq ORF:
 207 bp

 Locus ID:
 17751

 UniProt ID:
 P28184

 Cytogenetics:
 8 46.29 cM

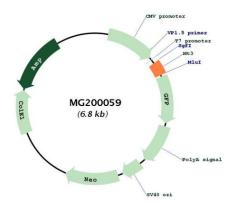
Gene Summary: Binds heavy metals. Contains three zinc and three copper atoms per polypeptide chain and

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 MG200059