

## Product datasheet for **MG210350**

### Mcm5 (NM\_008566) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mcm5 (NM\_008566) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Mcm5  
**Synonyms:** AA617332; AI324988; AL033333; Cdc46; Mcmd5; P1-CDC46  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Restriction Sites:** SgfI-MluI  
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



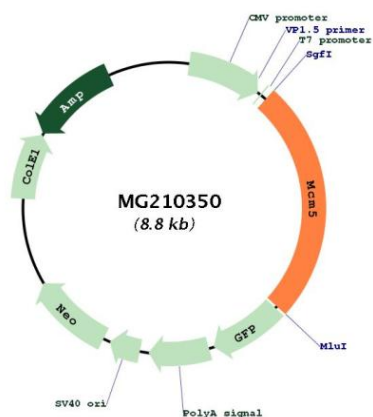
**ACCN:** NM\_008566  
**ORF Size:** 2202 bp



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<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_008566.3</a> , <a href="#">NP_032592.2</a>
<b>RefSeq Size:</b>	3422 bp
<b>RefSeq ORF:</b>	2205 bp
<b>Locus ID:</b>	17218
<b>UniProt ID:</b>	<a href="#">P49718</a>
<b>Cytogenetics:</b>	8 C1
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the oligameric minichromosome maintenance protein complex. During DNA replication, the complex loads onto chromatin in early G1 and is converted into an active replicative helicase during S phase. It functions to limit DNA synthesis to once per cell cycle. During embryogenesis, the encoded protein is negatively regulated through expression of paired box protein Pax 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Product images:



Circular map for MG210350