

## Product datasheet for MR207258L4

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### Mief2 (NM\_001009927) Mouse Tagged Lenti ORF Clone

#### Product data:

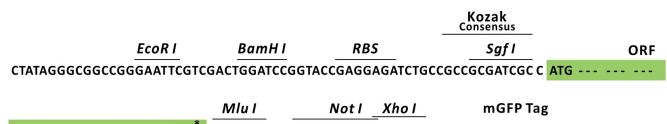
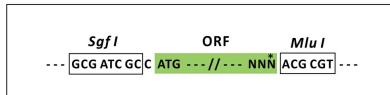
**Product Type:** Expression Plasmids  
**Tag:** mGFP  
**Symbol:** Mief2  
**Synonyms:** AI482195; Gm11; Smcr7  
**Mammalian Cell:** Puromycin  
**Selection:**  
**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)  
**E. coli Selection:** Chloramphenicol (34 ug/mL)

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as (MR207258).

**Restriction Sites:** Sgfl-MluI

#### Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001009927

**ORF Size:** 1362 bp



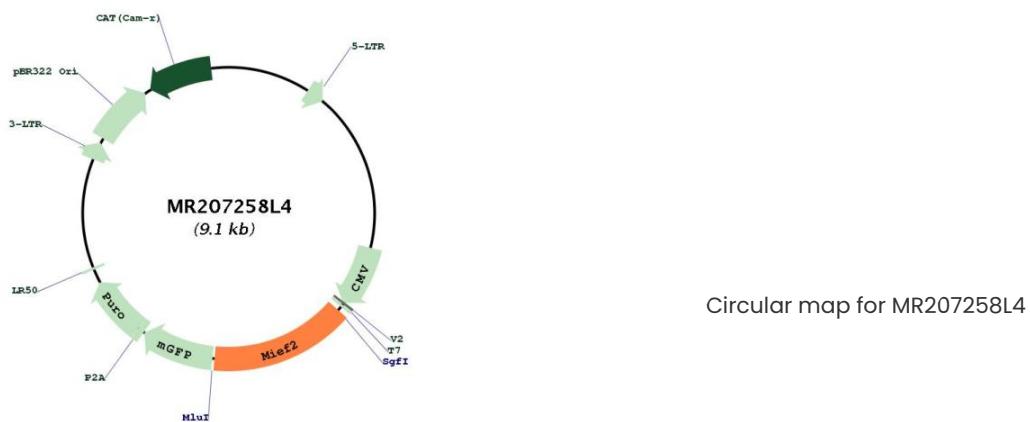
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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001009927.2</a> , <a href="#">NP_001009927.1</a>
<b>RefSeq Size:</b>	2564 bp
<b>RefSeq ORF:</b>	1365 bp
<b>Locus ID:</b>	237781
<b>UniProt ID:</b>	<a href="#">Q5NCS9</a>
<b>Cytogenetics:</b>	11 B2
<b>Gene Summary:</b>	Mitochondrial outer membrane protein which regulates mitochondrial organization. It is required for mitochondrial fission and promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface independently of the mitochondrial fission FIS1 and MFF proteins. Regulates DNM1L GTPase activity.[UniProtKB/Swiss-Prot Function]

**Product images:**

Circular map for MR207258L4