

# Product datasheet for MR211586L3

## OriGene Technologies, Inc.

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## Zmiz1 (NM\_183208) Mouse Tagged Lenti ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

Product Name: Zmiz1 (NM 183208) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Zmiz1

**Synonyms:** BC065120; E330020C23; ENSMUSG00000072684; Gm10397; I920194n01; Rai17; Zimp10

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

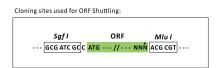
E. coli Selection: Chloramphenicol (34 ug/mL)

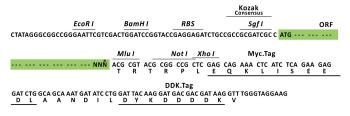
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR211586).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_183208

ORF Size: 3216 bp



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**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.

RefSeq: <u>NM 183208.3</u>, <u>NP 899031.2</u>

 RefSeq Size:
 7526 bp

 RefSeq ORF:
 3219 bp

 Locus ID:
 328365

 UniProt ID:
 Q6P1E1

 Cytogenetics:
 14 A3

**Gene Summary:** Acts as transcriptional coactivator. Increases ligand-dependent transcriptional activity of AR

and promotes AR sumoylation. The stimulation of AR activity is dependent upon sumoylation (By similarity). Involved in transcriptional activation of a subset of NOTCH1 target genes including MYC. Involved in thymocyte and T cell development (PubMed:26522984).

[UniProtKB/Swiss-Prot Function]