

## Product datasheet for **MR231191**

### Znrf3 (NM\_001290501) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Znrf3 (NM_001290501) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Znrf3
Synonyms:	Gm1167
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR231191 representing NM\_001290501  
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGCATCGCC**

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Protein Sequence: >MR231191 representing NM\_001290501  
 Red=Cloning site Green=Tags(s)

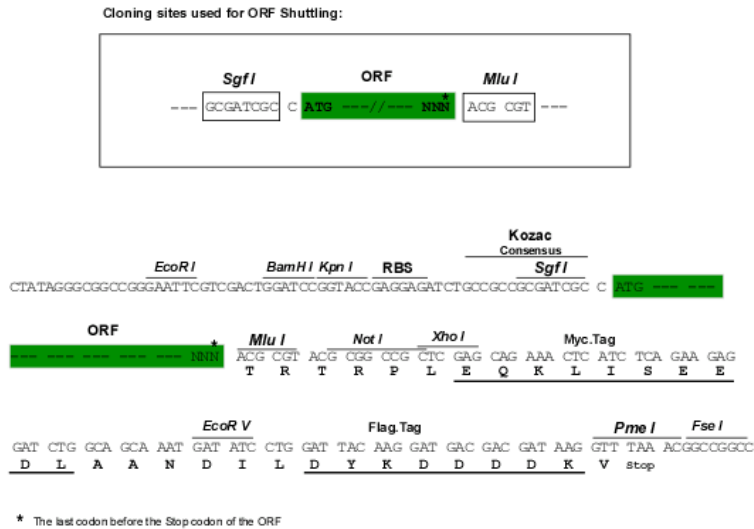
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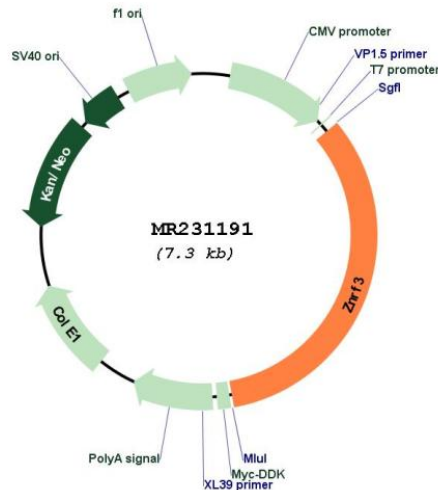
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Restriction Sites:

Sgfi-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001290501

**ORF Size:** 2427 bp

**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:** [NM\\_001290501.1](#), [NP\\_001277430.1](#)

**RefSeq Size:** 7199 bp

**RefSeq ORF:** 2430 bp

**Locus ID:** 407821

**UniProt ID:** [Q5SSZ7](#)

**Cytogenetics:** 11 A1

**MW:** 88.8 kDa

**Gene Summary:** E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination and subsequent degradation of Wnt receptor complex components Frizzled and LRP6. Acts on both canonical and non-canonical Wnt signaling pathway. Acts as a tumor suppressor in the intestinal stem cell zone by inhibiting the Wnt signaling pathway, thereby restricting the size of the intestinal stem cell zone (PubMed:22575959, PubMed:22895187). Along with RSPO2 and RNF43, constitutes a master switch that governs limb specification (By similarity).[UniProtKB/Swiss-Prot Function]