

## Product datasheet for **MG211717**

### Card11 (BC096592) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Card11 (BC096592) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Card11
Synonyms:	BIMP3, CARMA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211717 representing BC096592 Red=Cloning site Blue=ORF Green=Tags(s)

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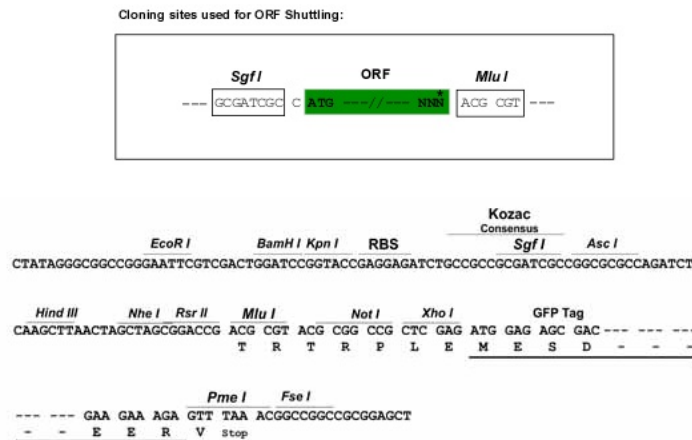
**Protein Sequence:** >MG211717 representing BC096592  
 Red=Cloning site Green=Tags(s)

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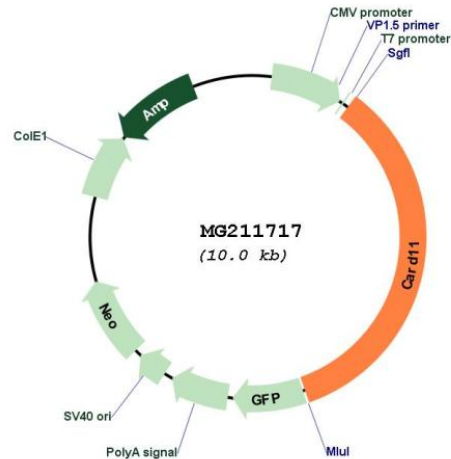
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```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI  
**Cloning Scheme:**



## Plasmid Map:



ACCN: BC096592

ORF Size: 3464 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: [BC096592](#), [AAH96592](#)

RefSeq Size: 4139 bp

RefSeq ORF: 3464 bp

Locus ID: 108723

Cytogenetics: 5 G2

**Gene Summary:**

Involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation (PubMed:12356734, PubMed:16356855). Its binding to DPP4 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Activates NF-kappa-B via BCL10 and IKK. Stimulates the phosphorylation of BCL10. Also activates the TORC1 signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function]