

## Product datasheet for **RC226268**

### **FPGT-TNNI3K (NM\_001112808) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FPGT-TNNI3K (NM_001112808) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FPGT-TNNI3K
Synonyms:	CARK; TNNI3K
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC226268 representing NM\_001112808  
 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >RC226268 representing NM\_001112808  
 Red=Cloning site Green=Tags(s)

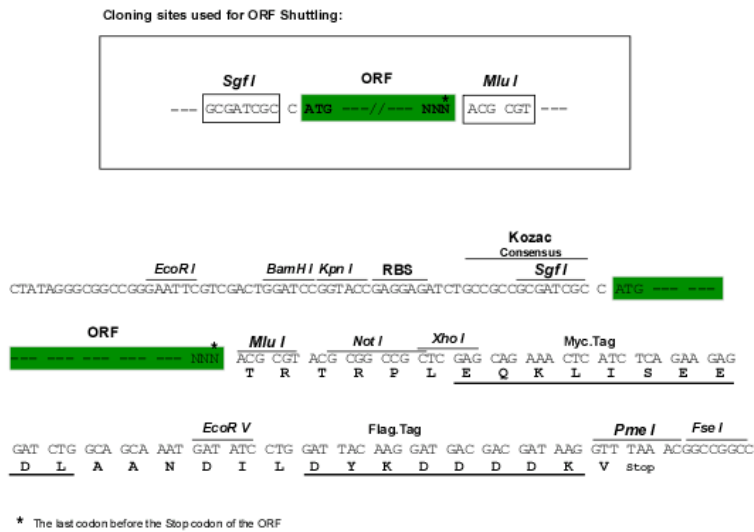
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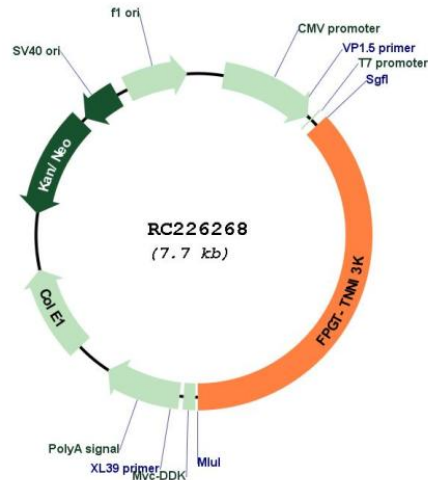
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**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001112808

**ORF Size:** 2847 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\\_001112808.2](#), [NP\\_001106279.2](#)

**RefSeq Size:** 3328 bp

**RefSeq ORF:** 2811 bp

**Locus ID:** 100526835

**Cytogenetics:** 1p31.1

**MW:** 105.6 kDa

**Gene Summary:**

This locus represents naturally occurring read-through transcription from the neighboring fucose-1-phosphate guanylyltransferase (FPGT) and TNNI3 interacting kinase (TNNI3K) genes. Alternative splicing results in multiple transcript variants that are composed of in-frame exons from each individual gene. [provided by RefSeq, Dec 2010]