

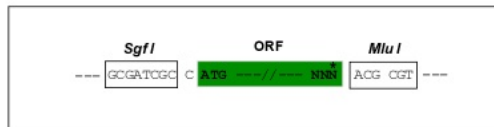
## Product datasheet for **MG226593**

### II21 Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	II21 Mouse Tagged ORF Clone
Tag:	TurboGFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:

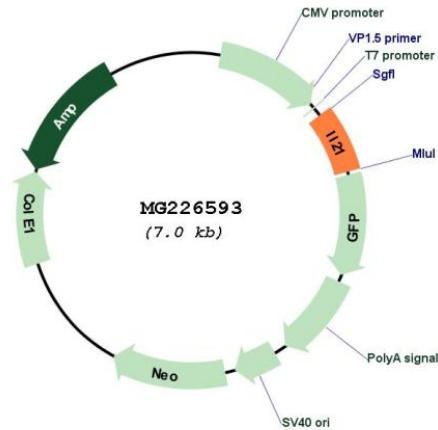


Sequence alignment showing restriction sites and the ORF. The sequence is: CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCCAGATCT. Restriction sites include EcoRI, BamHI, KpnI, RBS, Kozac Consensus, SgfI, and AscI. The ORF sequence is: CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC. The amino acid sequence is: T R T R P L E M E S D. Additional sites include HindIII, NheI, RsrII, MluI, NotI, XhoI, GFP Tag, PmeI, and FseI. The sequence ends with: --- GAA GAA AGA GTT TAA ACGGCCGCGCGGAGCT - - E E R V stop.



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## Plasmid Map:



## 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:

[BC125414](#)

RefSeq Size: 3072 bp