

## Product datasheet for **RG200667**

### **FKBP1B (NM\_054033) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FKBP1B (NM\_054033) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FKBP1B  
**Synonyms:** FKBP1L; FKBP12.6; OTK4; PKBP1L; PPIase  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200667 representing NM\_054033  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGTGGAGATCGAGACCATCTCCCCGGAGACGGAAGGACATCCCCAAGAAGGGCCAAACGTGTG  
TGGTGCCTACACAGGAATGCTCCAAAATGGGAAGAAGTTTGATTCATCCAGAGACAGAAACAACTTT  
CAAGTTCAGAATTGGCAAACAGGAAGTCATCAAAGTTTTGAAGGGTGCAGCCAGCTGGGTCTCTT  
TCTCTCTCCCATCTGCCCCATCCCTGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG200667 representing NM\_054033  
Red=Cloning site Green=Tags(s)  
MGVEIETISPGDGRTFPKKGQTCVVHYTGMLQNGKKFDSSRDNRNPKFKRIGKQEVIKGFEEGAAQLGPL  
SPLPICPHPC

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_054033

**ORF Size:** 240 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.

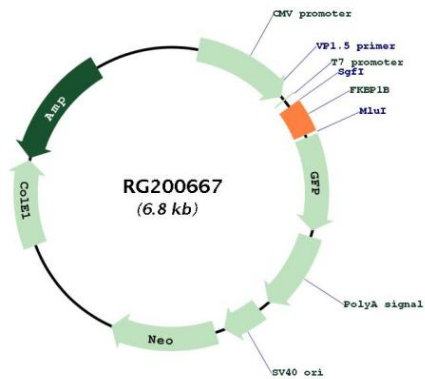
**RefSeq:** [NM\\_054033.4](#)

**RefSeq Size:** 972 bp

**RefSeq ORF:** 243 bp  
**Locus ID:** 2281  
**UniProt ID:** [P68106](#)  
**Cytogenetics:** 2p23.3  
**Domains:** FKBP  
**Protein Families:** Druggable Genome

**Gene Summary:** The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. There are two alternatively spliced transcript variants of this gene encoding different isoforms. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG200667