

## Product datasheet for **RG211413**

### FAM107B (NM\_031453) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM107B (NM_031453) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM107B
Synonyms:	C10orf45; HITS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211413 representing NM_031453 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCACGTGGAAAGCAAGACTCACAAAAGACTGAAGTCTCCCTCTAGAAGCATGCATCCATTCCGT  
GCTCAGCTCTGCTCGCCTGTTTTGGGAATACGAGGGAGAGTGCTTCCTTCAATCAGTCCGGCGTGGCTGA  
TACTCATTCCACCGTCCGTGTGCAGCCTGTGGCCAAAGCAGGCAGACAGCCAAGACACCAAGCGCAGAA  
GGAGCTCCAGAGAAAAGCAAGATTCGAGCACCCATGCAGAGAGAAATGGCAGTGCGAATCGGAATTCAA  
GTCACCGCACTGCGGCCAGCCCGGGAGACGCCTGAAGATGTGCCCGGGTCCCTGGATGATGGGGCGGA  
CTGTGAAGCAGTGGTGTTCACGCTTCCATCCCCAGACCATCAATTATTGACACGCCAAGGAAGAAGAA  
TTTCGAGAAGAACCTAAATGCCTCGAGCTGGAGCAGAAAATGACATCAGACAGCCACCTGAGGATATTG  
ACCATAAGGACTCATATCTCATTACAAGAAGCATCATGGCCGAGCCAGACTACATAGAAGATGACAATCC  
TGAATCATTAGGCCTCAGAACTGATCAATCCTGTAAAAACCTCCCGGAACCATCAAGATCTTCACAGA  
GAATCTTATGAATCAAAAAGGGTCTTGCTCCTCAGAACAAACCAGAATTGCAGAAGGTGATGGAAA  
AAAGAAAACGAGACCAAGTAATAAAGCAGAAGGAAGAAGCACAGAAGAAGAAATCTGACTTGGAAAT  
AGAGCTATTAACCGCAGCAGAAAGTTGGAGCAGCTTGAATTTGAGAAGCAGAAATGCAAGAAGAGCAA  
GAAAATGCCCCCGAGTTTGTGAAGGTGAAAGGCAATCTCAGGAGAACAGGCCAAGAAGTCGCCCAAGCCC  
AGGAGTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211413 representing NM\_031453  
Red=Cloning site Green=Tags(s)

MSTWKARLTKRLKSPSRSMHPFPCALLACFGNTRESASFNQSGVADTHSTVVRVQPVAKAGRQPRHPSAE  
 GAPEKRQDSSTHAERNGSANRNSSHRTAAQPAETPEDVPGSLDDGADCEAVVFHASIPRPSIIDTPKEEE  
 FREEPKCLELEQKMTSDSPPEDIDHKDSYLITRSIMAEPTYIEDDNPELIRPQKLINPVKTSRNHQDLHR  
 ELLMNQKRGLAPQNKPELQKVMKRKRQDVIKQKEEEAQQKKSDLEIELLKRQQLKLEQLELEKQKLQEEQ  
 ENAPEFVKVKGNLRRTGQEVAQAQES

TRTRPLE - GFP Tag - V

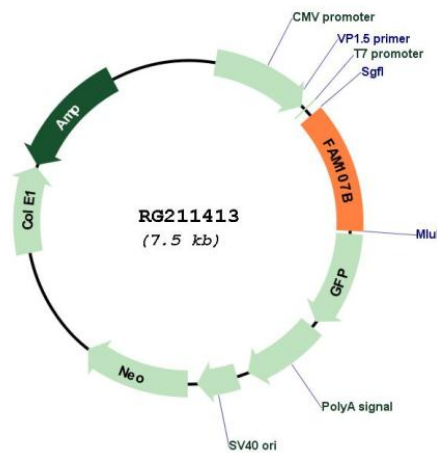
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_031453

**ORF Size:** 918 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031453.3</a> , <a href="#">NP_113641.2</a>
<b>RefSeq Size:</b>	3785 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	83641
<b>UniProt ID:</b>	<a href="#">Q9H098</a>
<b>Cytogenetics:</b>	10p13