

## Product datasheet for **MG214014**

### **Pih1h3b (NM\_177921) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pih1h3b (NM\_177921) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Pih1h3b  
**Synonyms:** E230019M04Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG214014 representing NM\_177921  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATCGGAAATTGCAGAAGCTGAGAAGGTCAAACAGGGAATTTGGAAGCAAAAAGCATGGAAGCTA  
AAAATATGCAATTTGAGATGCTGTCTTCTGCTCAACCTGCAAGCACTGGCCAGTCTCCTGAATCCTGA  
AGAAGAGGATGATTTTGATTTTGAACAGGGACAATGTACATCTACTATTAGAGCTATGGGCCCTGGGAAT  
ATTGGACCGCCTAAAGCAAAAGAGTCAAAGCCATTCTGAACCCAGGAGTGATGAAAGTAAAACATCT  
GGAATCCAGAAGAGGTTCCAGAAGGAGGAGAGCATGATGATATATGGGATGTTTCGAGAAATCCCAGATTA  
TGAGATTGATTCCAACAACTGTGGAACTGAGGACATATACCTAGGATTGACAGGAAAAGGATCCTTCA  
ACAGCATGCTGCCAGGAGCTGGTGGTGAATAAATACTGCCCAATACGAACCTTCTGAAATTCAAATTG  
ACATCCAGGAAATGCTCCTTGATCTTCGCACTCCTAAAAAGAAGCTGTTAGTAACTTTCCCCAGCCTGT  
GGAACGGAACAGTGCTAGAGCATCCTATATCTGGGAAGCTGAAACACTTGAAGTCAGGATGACCCCTCAA  
AGGATTTGGATTTAATATTTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG214014 representing NM\_177921  
Red=Cloning site Green=Tags(s)

MESEIAEAEKVKGTGNLEAKSMEAKNMQFEMLSSASTLQALASLLNPEEEDDFDFEQGQCTSTIRAMGPGN  
 IGPPKAKESKAIPERSESENIWNPEEVPEGGEHDDIWDVREIPDYEIVFQQTIVGTEDIYLGITGKDP  
 TACCQELVVKIKLPNTNPSEIQIDIQEMLLDLRTPKKLLVNFQPVVERNSARASYIWEAETLEVRMTLQ  
 RDLDFNIS

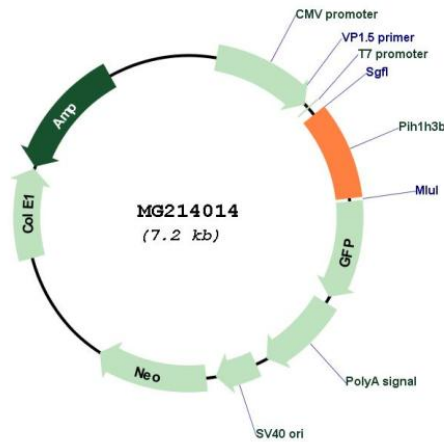
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_177921

**ORF Size:** 654 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_177921.3</a> , <a href="#">NP_808589.1</a>
<b>RefSeq Size:</b>	1509 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	331537
<b>Cytogenetics:</b>	X F1