

## Product datasheet for **MG201558**

### Ppih (NM\_028677) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppih (NM\_028677) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Ppih  
**Synonyms:** 1100001J08Rik; 2010111B15Rik; 4833408F11Rik; AI464484; CYP-20; CYPH; D4Wsu43e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201558 representing NM\_028677  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGTGGCAAATTCAGTCCAGTCAATCCAGTGGTCTTCTTCGATGTCAGCATTGGCGGCCAGGAAG  
 TTGGTCGCATGAAGATCGAGCTATTTGCAGACGTGGTGCCTAAGACGGCAGAGAAGTTAGGCAATTCTG  
 CACTGGAGAGTTCAGAAAAGATGGCGTTCCAATAGGATACAAAGGAAGCACCTTCCACAGGGTCATAAAG  
 GATTTTCATGATTCAGGGTGGAGATTTTGTAAATGGCGATGGCACTGGAGTCGCCAGTATTACCGGGGTC  
 CATTTCGGGATGAGAATTTAACTTAGACTCTGCTCCAGGCCTGCTTCCATGGCAAACAGTGGTCC  
 CAGTACAAATGGCTGCCAGTCTTTATCAGTGTCTAAGTGTGATTGGCTGGATGGAAAGCATGTAGTG  
 TTTGGAAAAATCATTGACGGACTTCTAGTGATGAGGAAGATCGAGAATGTTCCACAGGCCCAACAATA  
 AGCCCAAAGTCCAGTGGTATCTCACAGTGTGGGAAATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201558 representing NM\_028677  
 Red=Cloning site Green=Tags(s)

MAVANSSPVNPVFFDVSIGGQEVGRMKIELFADVVPKTAENFRQFCTGEFRKDGVPVIGYKGFHRVIK  
 DFMIQGGDFVNGDGTGVASIVRGPFAENFKLRHSAPGLLSMANSRSTNGCQFFITCSKCDWLDGKHVV  
 FGKIIDGLLVMRKIENVPTGPNKPKLPVVISQCGEM

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<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>	<u>NM_028677.3, NP_082953.1</u>
<b>RefSeq Size:</b>	947 bp
<b>RefSeq ORF:</b>	534 bp
<b>Locus ID:</b>	66101
<b>UniProt ID:</b>	<u>Q9D868</u>
<b>Cytogenetics:</b>	4 55.34 cM
<b>Gene Summary:</b>	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding. Participates in pre-mRNA splicing. May play a role in the assembly of the U4/U5/U6 tri-snRNP complex, one of the building blocks of the spliceosome. May act as a chaperone.[UniProtKB/Swiss-Prot Function]