

Product datasheet for **MG201560**

Ppih (BC050116) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppih (BC050116) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ppih
Synonyms: CYPH, CYP-20, rotamase H
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201560 representing BC050116
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGGCAAATTCAGTCCAGTCAATCCAGTGGTCTTCTTCGATGTCAGCATTGGCGGCCAGGAAG
 TTGGTCGCATGAAAATCGAGCTCTTTCAGACGTGGTGCCTAAGACGGCAGAGAAGTTAGGCAATTCTG
 CACCGGAGAGTTCAGAAAAGATGGCGTCCGATAGGATACAAAGGAAGCACCTTCCACAGGGTCATAAAG
 GATTTTCATGATTCAGGGTGGAGATTTTGTAAATGGCGATGGCACTGGAGTCGCCAGTATTACCGGGGTC
 CATTTCGGGATGAAAATTTAACTTAGACACTCTGCTCCAGGCCTGCTTCCATGGCAAACAGTGGTCC
 CAGTACAAATGGCTGCCAGTCTTTATCACGTGTTCTAAGTGTGATTGGCTGGATGGAAAGCATGTAGTG
 TTTGAAAAATCATTGACGGACTTCTAGTGATGAGGAAGATCGAGAATGTTCCACAGGCCCAACAATA
 AGCCCAAACCTGCCAGTGGTATCTCACAGTGTGGGAAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201560 representing BC050116
 Red=Cloning site Green=Tags(s)

MAVANSSPVNPVFFDVSIGGQEVGRMKIELFADVVPKTAENFRQFCTGEFRKDGVPVIGYKGFHRVIK
 DFMIQGGDFVNGDGTGVASIVRGPFAENFKLRHSAPGLLSMANSRSTNGCQFFITCSKCDWLDGKHVV
 FGKIIDGLLVMRKIENVPTGPNKPKLPVVISQCGEM

TRTRPLE - GFP Tag - V

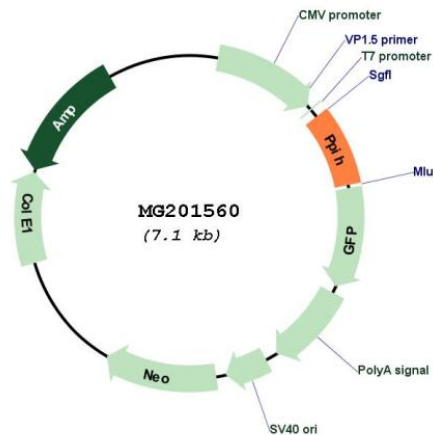
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: BC050116

ORF Size: 531 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:	<ol style="list-style-type: none">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:	<u>BC050116.1</u>
RefSeq Size:	749 bp
RefSeq ORF:	533 bp
Locus ID:	66101
Cytogenetics:	4 55.34 cM
Gene Summary:	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]