

Product datasheet for **MG224416**

Ppih (NM_001110130) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppih (NM_001110130) 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: >MG224416 representing NM_001110130
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGCAAATTCAGTCCAGTCAATCCAGTGGTCTTCTTCGATGTCAGCATTGGCGGCCAGGAAG
TTGGTTCGCATGAAAATCGAGCTCTTTCAGACGTGGTGCCTAAGACGGCAGAGAAGCTTTAGGCAATTCCTG
CACCGGAGAGTTCAGAAAAGATGGCGTCCGATAGGATACAAAGGAAGCACCTTCCACAGGGTCATAAAG
GATTTTCATGATTCAGGGTGGAGATTTTGTAAATGGCGATGGCACTGGAGTCGCCAGTATTACCGGGGTC
CATTTGCGGATGAAAATTTAACTTAGACTCTGCTCCAGGCCTGCTTCCATGGCAAACAGTGGTCC
CAGTACAAATGGCTGCCAGTCTTTATCACGTGTTCTAAGTGTGATTGGCTGGATGGAAAGCATGTAGTG
TTTGAAAAATCATTGACGGACTTCTAGTGATGAGGAAGATCGAGTTCAGGCTCCTTTGGAAAGAGAG
TTCAAGCTTGGACCCATTCACTAACCTGCCAGCACTTACTGGGATTTTGGCTCTGATCCTGATGCCAC
TGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224416 representing NM_001110130
Red=Cloning site Green=Tags(s)

MAVANSSPVNPVFFDVSIGGQEVGRMKIELFADVVPKTAENFRQFCTGEFRKDGVPVIGYKGFHFRVIK
DFMIQGGDFVNGDGTGVASIVRGPADENFKLRHSAPGLLSMANSRSTNGCQFFITCSKCDWLDGKHVV
FGKIIDGLLVMRKIEFQAPLGKRVQAWTHSLTCPALTGILALILMPTE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



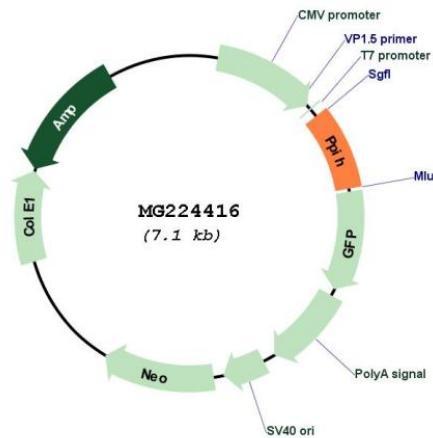
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001110130

ORF Size: 564 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_001110130.1](#), [NP_001103600.1](#)

RefSeq Size: 653 bp

RefSeq ORF: 567 bp

Locus ID: 66101

UniProt ID: [Q9D868](#)

Cytogenetics: 4 55.34 cM

Gene Summary: PPlase 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]