

Product datasheet for **MG207878**

Ppil4 (NM_026141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppil4 (NM_026141) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppil4
Synonyms:	3732410E19Rik; 3830425H19Rik; AI788954; AW146233; PPlase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG207878 representing NM_026141
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGTTCTCTTGGAGACCACTCTGGGCGACGTGGTCATCGACTTGTACACTGAAGAGCGTCCCCGGG
 CTGCTTGAATTTTTGAAGCTGTGCAAAATAAAATATTACAACCTATTGCCTCATACACAATGTACAGAG
 GGATTTTATCATACAAACAGGAGATCCACGGGGACTGGCCGCGGAGGAGAGTCTATATTTGGACAACCTG
 TATGGTGATCAAGCAAGCTTTTTGAAGCAGAAAAAGTACCAAGGATAAAGCACAAGAAGAAAGGCACTG
 TGTCCATGGTGAACAACGGCAGTGACCAGCAGGGTCTCAGTTTCTTACTACAGGAGAAAACTTAGA
 TTACCTTGACGGTGTTTATACAGTGTGGTGAAGTGACAGAAGGCATGGACATAGTTAAGAAAAATCAAT
 GAGACCTTTGTGGACAAGGATTTTGTACCATATCAAGATATAAGGATAAATCATACAGTGATTTTAGATG
 ATCCATTTGATGACCCTCTGATTTATTAATTCCTGATCGATCACCCGAGCCTACAAAGGAACAATTAGA
 TAGTGGTGAATAGGAGCAGATGAAGAAATTGATGACTTCAAAGGAAGATCAGCTGAAGAAGTAGAAGAA
 ATAAAGGCAGAAAAAGAGGCTAAAACTCAAGCTATTCTCTTGGAGATGGTGGGAGACTTACCTGATGCAG
 ATATTAACCTCCAGAAAATGTGCTGTTTGTGTGTAATGAATCCAGTGACCACAGATGAGGACTTGGA
 GATAATATTCTCAAGATTTGGGCCAATAAGAAGTTGTGAAGTTATCCGGGATTGGAAAACAGGAGAGTCC
 CTCTGTTATGCTTTTATTGAATTTGAAAAGGAAGAAGACTGTGAGAAAGCATTCTTCAAAATGGATAATG
 TGCTTATAGATGACAGGAGGATACATGTGGATTTCAGCCAGTCTGTTGCAAAGGTTAAATGGAAAGGAAA
 AGGTGGGAAATATACCAAGAGTGATTTCAGGAGTATGAAAAGGAACAGGATAAACCAGCCAATTTGGTT
 CTGAAAGAAAAAGTAAAGCCCAACAGGATGCAAAATATGATCTTATACTAGATGAGCAGGGAGAAGACT
 CCAATCAAGTCACTCACACACAAGTAAAAAGCAGAAAAAGAAAAACAGCCACTGCTCCGAAGAAAAAGA
 AGATGAAGAGTACATGCCAATCAAAAATCCTAATCAGGATATCTACAGGGAATGGGTTTTGGTCTATTAT
 GAAGAAGAAGAAAGCTGTTGGGAGAAACAGAAGATGAAAAGAGAGACCGACGTCAGAACCGCAGTCGTA
 GCCGGTCTCGAGAAAGGGATGGTCACTATAGCAACAGCCACAAACCAAGTACCAGACAGAACCTTATGA
 GAGGGAAGAAGCAGAAAGAGGGACAGAAGCAGGAGTCCAAGAAATCCAAGCTAAAGAAAAATCCAAG
 TACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207878 representing NM_026141
 Red=Cloning site Green=Tags(s)

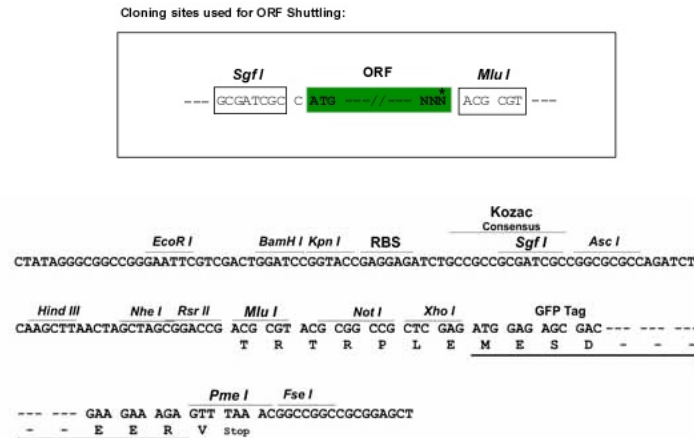
MAVLLETTLDVVIDLYTEERPRACLNFLKCLKIKYNYCLIHNVQRDFIIQTGDPTGTGRGGESIFGQL
 YGDQASFFEAKEVPRIKHKKKGTVMVNNGSDQHGSQFLITTGENDLYLDGVHTVFGEVTEGMDIVKKIN
 ETFVDKDFVPYQDIRINHTVILDDPFDDPPDLLIPDRSPEPTKEQLDSGRIGADEEIDDFKGRSAEEVEE
 IKAKEAKTQAILLEMVGDLPADIKPPENVLFVCKLNPVTTDELEIIFSRFGPIRSCEVIRDWKTGES
 LCYAFIEFEKEEDCEKAFFKMDNVLIDRRRIHVDFSQSVAKVKWKGGKYTKSDFKEYEKEQDKPANLV
 LKEKVKPKQDAKYDLILDEQGEDSKSSHSTSKKHKKKTRHCSEEKEDDEEYMPIKNPNQDIYREMGFGHY
 EEEESCWEKQKNEKRDRRQNRSRSRERDGHYSNSHKPKYQTEPYERERSRKRDRSRSPKSKAKEKSK
 YR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_026141

ORF Size: 1476 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026141.3](#), [NP_080417.2](#)

RefSeq Size: 3440 bp

RefSeq ORF: 1479 bp

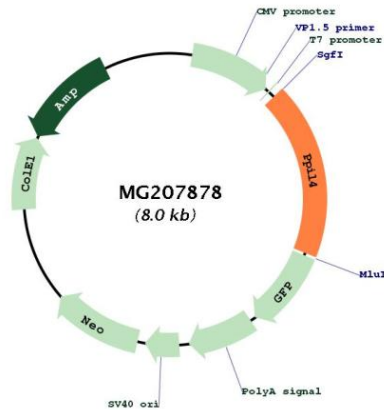
Locus ID: 67418

UniProt ID: [Q9CXG3](#)

Cytogenetics: 10 A1

Gene Summary: PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207878