

Product datasheet for **MR207878**

Ppil4 (NM_026141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppil4 (NM_026141) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppil4
Synonyms:	3732410E19Rik; 3830425H19Rik; A1788954; AW146233; PPlase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR207878 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGTTCTCTTGGAGACCACTCTGGGCGACGTGGTCATCGACTTGTACACTGAAGAGCGTCCCCGGG
 CTGCTTGAATTTTTTGAAGCTGTGCAAAATAAAATATTACAACCTATTGCCTCATACACAATGTACAGAG
 GGATTTTATCATACAAACAGGAGATCCACGGGGACTGGCCGCGGAGGAGAGTCTATATTTGGACAACCTG
 TATGGTGATCAAGCAAGCTTTTTTGAAGCAGAAAAAGTACCAAGGATAAAGCACAAGAAGAAAGGCACTG
 TGTCCATGGTGAACAACGGCAGTGACCAGCACGGGTCTCAGTTTCTTACTACAGGAGAAAACTTAGA
 TTACCTTGACGGTGTTCATACAGTGTGGTGAAGTGACAGAAGGCATGGACATAGTTAAGAAAAATCAAT
 GAGACCTTTGTGGACAAGGATTTTGTACCATATCAAGATATAAGGATAAATCATACAGTGATTTTAGATG
 ATCCATTTGATGACCCTCTGATTTATTAATTCCTGATCGATCACCCGAGCCTACAAAGGAACAATTAGA
 TAGTGGTGAATAGGAGCAGATGAAGAAATGATGACTTCAAAGGAAGATCAGCTGAAGAAGTAGAAGAA
 ATAAAGGCAGAAAAAGAGGCTAAAACTCAAGCTATTCTCTTGGAGATGGTGGGAGACTTACCTGATGCAG
 ATATTAACCTCCAGAAAATGTGCTGTTTGTGTGTAATGAATCCAGTGACCACAGATGAGGACTTGGA
 GATAATATTCTCAAGATTTGGGCCAATAAGAAGTTGTGAAGTTATCCGGGATTGGAACAGGAGAGTCC
 CTCTGTTATGCTTTTATTGAATTTGAAAAGGAAGAAGACTGTGAGAAAGCATTCTTCAAAATGGATAATG
 TGCTTATAGATGACAGGAGGATACATGTGGATTTCAGCCAGTCTGTTGCAAAGGTTAAATGGAAAGGAAA
 AGGTGGGAAATATACCAAGAGTGATTTCAGGAGTATGAAAAGGAACAGGATAAACCAGCCAATTTGGTT
 CTGAAAGAAAAAGTAAAGCCCAACAGGATGCAAAATATGATCTTATACTAGATGAGCAGGGAGAAGACT
 CCAATCAAGTCACTCACACACAAGTAAAAAGCAGAAAAAGAAAAACAGCCACTGCTCCGAGAAAAAGA
 AGATGAAGAGTACATGCCAATCAAAAATCCTAATCAGGATATCTACAGGGAATGGGTTTTTGGTCATTAT
 GAAGAAGAGAAAGCTGTTGGGAGAAACAGAAGATGAAAAGAGAGACCGACGTCAGAACCGCAGTCGTA
 GCCGGTCTCGAGAAAGGGATGGTCACTATAGCAACAGCCACAAACCAAGTACCAGACAGAACCTTATGA
 GAGGGAAAGAAGCAGAAAGAGGGACAGAAGCAGGAGTCCAAGAAATCCAAGCTAAAGAAAAATCCAAG
 TACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207878 protein sequence
 Red=Cloning site Green=Tags(s)

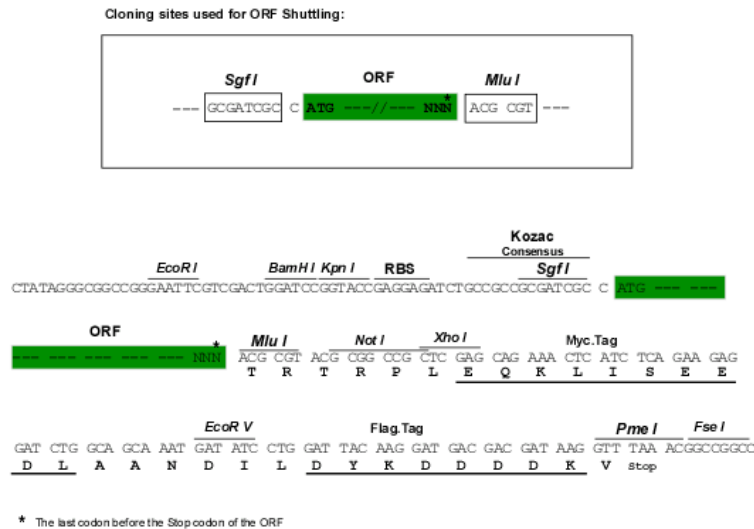
MAVLLETTLGDVVIDLYTEERPRACLNFLKLCKIKYNYNCLIHNVQRDFIIQTGDPTGTGRGGESIFGQL
 YGDQASFFEAKEVPRIKHKKKGTVMVNNGSDQHGSQFLITTGENLDYLDGVHTVFGEVTEGMDIVKKIN
 ETFVDKDFVPYQDIRINHVTILDDPFDDPDLLIPDRSPEPTKEQLDSGRIGADEEIDDFKGRSAEEVEE
 IKAKEAKTQAILLEMVGDLPDADIKPPENVLFVCKLNPVTTDELEIIFSRFGPIRSCEVIRDWKTGES
 LCYAFIEFEKEEDCEKAFFKMDNVLIIDRRRIHVDFSQSVAKVKWKGGKYTKSDFKEYEKEQDKPANLV
 LKEKVKPKQDAKYDLILDEQGEDSKSSHSTSKKHKKTRHCSEEKEDDEEYMPIKNPNQDIYREMGFGHY
 EEEESCWEKQKNEKRRQRNRSRERSRERDGHYSNHPKYQTEPYERERSRKRDRSRSPKKSAAKEKSK
 YR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: 2910 bp

RefSeq ORF: 1479 bp

Locus ID: 67418

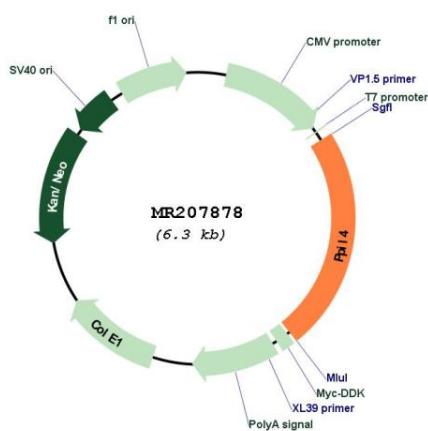
UniProt ID: Q9CXG3

Cytogenetics: 10 A1

MW: 57.2 kDa

Gene Summary: PPlases 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 MR207878