

Product datasheet for **MR224150**

Ppil1 (NM_026845) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppil1 (NM_026845) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppil1
Synonyms: 1110060O10Rik; AI327391; Cyp11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR224150 representing NM_026845
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGATTCCCCAGACACCTGGCAGCCGCCAACGTCTACCTGGAGACTAGCATGGGAGTCATTG
TCCTGGAGCTATACTGGAAGCATGCGCCAAGACTGCAAGAACTTCGCGGAGCTGGCTCGCGGGGCTA
CTACAATGGCACCAAGTCCACAGGATCATCAAGGACTTCATGATCCAAGCGGGACCCGACAGGCACA
GGTCGAGGTGGCGCATCTATTTATGGCAAACAGTTTGAAGATGAGCTTCATCCAGACCTGAAGTTCACTG
GGGCTGGGATTCTCGCCATGGCCAACGCAGGACCAGACACCAATGGCAGCCAGTTCTTTGTGACCCTGGC
CCCCACGCAATGGCTGGACGGCAAGCATACTATTTTTGGCCGAGTGTGCCAGGGTATAGGGATGGTGAAT
CGAGTGGGCATGGTGAAACAACTCCCAGGACCGTCTGTGGACGACGTGAAGATTCTTAAGGCGTACC
CCTCTGGA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224150 representing NM_026845
Red=Cloning site Green=Tags(s)

MAAIPPDTWQPPNVYLETSMGVIVLELYWKHAPKTKNFAELARRGYNGTKFHRIKDFMIQGGDPTGT
GRGGASIYGKQFEDELHPDLKFTGAGILAMANAGPDTNGSQFFVTLAPTQWLDGKHTIFGRVCQIGIMVN
RVGMVETNSQDRPVDDVKILKAYPSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

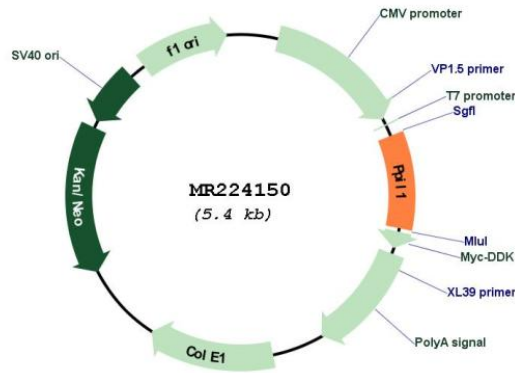
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_026845

ORF Size: 498 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>NM_026845.4</u> , <u>NP_081121.1</u>
RefSeq Size:	1215 bp
RefSeq ORF:	501 bp
Locus ID:	68816
UniProt ID:	<u>Q9D0W5</u>
Cytogenetics:	17 A3.3
MW:	18.7 kDa
Gene Summary:	Involved in pre-mRNA splicing as component of the spliceosome. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.[UniProtKB/Swiss-Prot Function]