

Product datasheet for **MC228144**

Ppil2 (NM_001252445) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppil2 (NM_001252445) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppil2
Synonyms:	0610009L05Rik; 1700016N17Rik; 4921520K19Rik; 4930511F14Rik; AA589416; C130078A06Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228144 representing NM_001252445
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAAGCGACAGCACCAGAAGGACAAGATGTATATCACTTGTGCTGAGTACACTCATTCTATGGTG
 GCAGGAAGCCAGATATCTCACAGACAAGTTTTCGCCGCTTACTTTTGACCACTGCAGTCTCTCTCCA
 GCCTTTTGTCTACCCAGTCTGCACCCCAGAAGGTGTCGTCTTTGACTTGTGAACATTGTTCCCTGGCTT
 AAGAAGTATGGGACGAATCCCAGCACTGGAGAGAACTTGATGGGAAGTCCTTGATCAAGCTGAACCTCG
 CAAAGAACAGCGAAGGGCAGTACCAGTGTCCAGTGTATTCCGTGTTCACTGACAACACCCATATTGT
 GGCCATCAGGACAACCTGGCAATGTCTACACCTATGAGGCAGTGGAGCAGCTAAACATCAAGGCCAAGAAC
 TTGCGGGATCTGTTGACTGATGAGCCCTTTCCAGGCAAGACATCATACCCTGCAGGACCCCAACCT
 TGGACAAATTCATGTTAGCAACTTCTCCATGTGAAGAATAACATGAGAATAATAGACCCAGATGAGGA
 AAAGGCCAAACAAGACCCATCTTATTATTTGAAAAACACAAATTCGGAGACGAGAGAGACGCTACAGGAG
 CTCTACAAAGAGTTCAAAGGAGATGAGATTTTAGCAGCTACCATGAGGCCACCTGAGAAGAAGAAGGTGG
 ACCAACTGAATGCGGCCCACTACTCCACAGGGAAGGTCACTGCATCCTTACCTCTACTGCCATGGTGCC
 CGAGACCACGCATGAAGCAGCTGTATTGATGAAGATGTACTGCGCTACCAGTTTGTGAAGAAAAAGGGC
 TATGTAAGGCTTACACCAACAAGGGCGACCTTAACCTTAGAGCTGCACTGTGACCTGACACCAAAAACCT
 GTGAAAACCTCATCAAGCTCTGCAAGAAACAGTATTATGATGGTACCATCTTTCACAGGTCCATCAGGAA
 CTTTGTGATCCAGGGCGGTGACCCACAGGTACAGGCACAGGTGGAGAGTCATTCTGGGGCAAGCCTTTC
 AAAGATGAGTTCGGTCCCAACCTTTCACACACGGGCGGTGGGGTGTCTCAGCATGGCCAATTCGGGGCCCA
 ACACCAACAATCTCAGTCTTTCATCACATCCGATCCTGCGCTTACCTGGATAAGAAGCATACCATCTT
 TGGACGGGTTGTTGGGGCTTTGACACGCTGACAGCCATGGAGAATGTGGAGAGTGACCCCTAAAACTGAC
 CGTCCTAAGGAGGAAGTCTCATATGTACAACCACAGTGTGTTGGACCCCTATGAGGAGGCTGATGCC
 AGATTGCCAGGAACGGAAGAAGACACAGCATCAGGTGGATCCAGAGGCCAAGGTCAAGATGAGTCAGCC
 CCAGCCTGGAACCCAGGGACCCAGACATACCGCCAGGGGGTGGGCAAGTACATCCACCCTGCGGCCACG
 AAACGATCAGCAGAGGAAGAACCATCGACCAGCACTGCCACCCCAAGGCAAGAAAAGGCCAGTCGGG
 GCTTTGGGGACTTCAGCTCCTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001252445
- Insert Size:** 1566 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001252445.1](#), [NP_001239374.1](#)

RefSeq Size: 1812 bp

RefSeq ORF: 1566 bp

Locus ID: 66053

UniProt ID: [Q9D787](#)

Cytogenetics: 16 A3

Gene Summary: Has a ubiquitin-protein ligase activity acting as an E3 ubiquitin protein ligase or as an ubiquitin-ubiquitin ligase promoting elongation of ubiquitin chains on substrates. By mediating 'Lys-48'-linked polyubiquitination of proteins could target them for proteasomal degradation. May also function as a chaperone, playing a role in transport to the cell membrane of BSG/Basigin for instance. Probable inactive PPlase with no peptidyl-prolyl cis-trans isomerase activity.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) differs in the 3' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.