

Product datasheet for **MR230355**

Ppil2 (NM_001252445) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230355 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGAAGCGACAGCACCAGAAGGACAAGATGTATATCACTTGTGCTGAGTACACTCATTCTATGGTG
 GCAGGAAGCCAGATATCTCACAGACAAGTTTTCGCGCTTACCTTTTGACCACTGCAGTCTCTCTCCA
 GCCTTTTGTCTACCCAGTCTGCACCCAGAAAGGTGTCGCTTTGACTTGCTGAACATTGTTCCCTGGCTT
 AAGAAGTATGGGACGAATCCCAGCACTGGAGAGAACTTGATGGGAAGTCTTGATCAAGCTGAACCTCG
 CAAAGAACAGCGAAGGGCAGTACCAGTGTCCAGTGTATTCCGTGTTCACTGACAACACCCATATTGT
 GGCCATCAGGACAACGGCAATGTCTACACCTATGAGGCAGTGGAGCAGCTAAACATCAAGGCCAAGAAC
 TTGCGGGATCTGTTGACTGATGAGCCCTTTCCAGGCAAGACATCATACCCTGCAGGACCCCAACTT
 TGGACAAATTCATGTTAGCAACTTCTCCATGTGAAGAATAACATGAGAATAATAGACCCAGATGAGGA
 AAAGGCCAAACAAGACCCATCTTATTATTTGAAAAACACAAATTCGGAGACGAGAGAGACGCTACAGGAG
 CTCTACAAAGAGTTCAAAGGAGATGAGATTTTAGCAGCTACCATGAGGCCACCTGAGAAGAAGAAGGTGG
 ACCAACTGAATGCGGCCCACTACTCCACAGGGAAGGTCACTGCATCCTTACCTCTACTGCCATGGTGCC
 CGAGACCACGCATGAAGCAGCTGTCACTGATGAAGATGTACTGCGCTACCAGTTTGTGAAGAAAAAGGGC
 TATGTAAGGCTTACACCAACAAGGGCGACCTTAAGTATGAGCTGCAGTGTGACCTGACACCAAAAACCT
 GTGAAAACCTCATCAAGCTCTGCAAGAAACAGTATTATGATGGTACCATCTTTCACAGGTCCATCAGGAA
 CTTTGTGATCCAGGGCGGTGACCCACAGGTACAGGCACAGGTGGAGAGTCACTTGGGGCAAGCCTTTC
 AAAGATGAGTCCGTCCCAACCTTTCACACACGGGCGTGGGGTGCTCAGCATGGCAATTCGGGGCCCA
 ACACCAACAATCTCAGTCTTCCATCACATTCCGATCCTGCGCTTACCTGGATAAGAAGCATAACCATCTT
 TGACCGGTTTGGGGGCTTTGACACGCTGACAGCCATGGAGAATGTGGAGAGTGACCCTAAAACGTGAC
 CGTCTAAGGAGGAAGTCTCATATGTACAACCACAGTGTGTTGGACCCCTATGAGGAGCTGATGCC
 AGATTGCCAGGAACGGAAGAAGACACAGCATCAGGTGGATCCAGAGGCCAAGGTCAAGATGAGTCAGCC
 CCAGCCTGGAACCCAGGGACCCAGACATACCGCCAGGGGGTGGGCAAGTACATCCACCCTGCGGCCACG
 AAACGATCAGCAGAGGAAGAACCATCGACCAGCACTGCCACCCCAAGGCAAGAAAAGGCCAGTCGGG
 GCTTTGGGGACTTCAGCTCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230355 protein sequence
 Red=Cloning site Green=Tags(s)

MGKRQHQQDKMYITCAEYTHFYGGRKPDISQTSFRRLPFDHCSLSLQPFVYVPCVTPGCVFDLLNIVPWL
 KKYGTNPSTGEKLDGKSLIKLNF AKNSEGQYHCPVLYSVFTDNTHIVAIRTTGNVYTYEAVEQLNIKAKN
 LRDLLTDEPFSRQDIITLQDPTNLDFNVSNNFHVKNMIRIIDPDEEKAKQDPSYYLKNTNSETRETLQE
 LYKEFKGDEILAAATMRPPEKKKVDQLNAAHYSTGKVSASFSTAMVPETTHEAAVIDEDVLRVYQFVKKKG
 YVRLHTNKGDNLNLELHCDLTPKTCENFIKLCCKQYYDGTIFHRSIRNFVIQGGDPTGTGTGGESFWGKPF
 KDEFRPNLSHTGRGVLSMANSGPNTNKSQFFITFRSCAYLDKKHTIFGRVVGGFDLTAMENVESDPKTD
 RPKEEVLICTTTVFVDPYEEADAQIAQERKKTQHQVDPEAKVKMSQPQPGNQGPQTYRQGVGKYIHPAAT
 KRSAEEEEPSTSTATPTAKKRPSRGGDFSSW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001252445

ORF Size: 1563 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_001252445.1](#), [NP_001239374.1](#)

RefSeq Size: 1812 bp

RefSeq ORF: 1566 bp

Locus ID: 66053

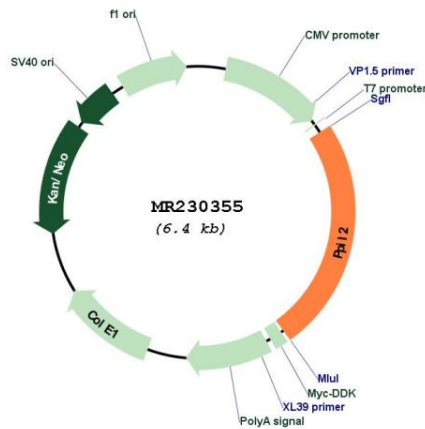
UniProt ID: [Q9D787](#)

Cytogenetics: 16 A3

MW: 59.1 kDa

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 PPIase with no peptidyl-prolyl cis-trans isomerase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230355