

Product datasheet for **MR208348**

Ppil2 (NM_144954) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppil2 (NM_144954) 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)



[View online »](#)

ORF Nucleotide Sequence:

>MR208348 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAAGCGACAGCACCAGAAGGACAAGATGTATATCACTTGTGCTGAGTATACTCATTCTATGGTG
 GCAGGAAGCCAGATATCTCACAGACAAGTTTTCGCCGATTACTTTTGACCACTGCAGTCTCTCTCCA
 GCCTTTTGTCTACCCAGTCTGCACCCAGAAAGGTGTCGCTTTGACTTGCTGAACATTGTTCCCTGGCTT
 AAGAAGTATGGGACGAATCCCAGCACTGGAGAGAACTTGATGGGAAGTCTTGATCAAGCTGAAGTTCG
 CAAAGAACAGCGAAGGGCAGTACCAGTGTCCAGTGTGATTCCGTGTTCACTGACAACACCCATATTGT
 GGCCATCAGGACAACGGCAATGTCTACACCTATGAGGCAGTGGAGCAGCTAAACATCAAGGCCAAGAAC
 TTGCGGGATCTGTTGACCGATGAGCCCTTTCCAGGCAAGACATCATACCCTGCAGGACCCCAACTT
 TGGACAAATTCAATGTTAGCAACTTCTCCATGTGAAGAATAACATGAGAATAATAGACCCAGATGAGGA
 AAAGGCCAAACAAGACCCATCTTATTATTTGAAAAACACAAATTCGGAGACGAGAGACGCTACAGGAG
 CTCTACAAAGAGTTCAAAGGAGATGAGATTTTAGCAGCTACCATGAGGCCACCTGAGAAGAAGAAGGTGG
 ACCAACTGAATGCGGCCCACTACTCCACAGGGAAGGTCACTGCATCCTTACCTCTACTGCCATGGTGCC
 CGAGACCACGCATGAAGCAGCTGTCACTGATGAAGATGTACTGCGCTACCAGTTTGTGAAGAAAAAGGGC
 TATGTAAGGCTTACACCAACAAGGGCGACCTTAAGTATAGAGTGCAGTGTGACCTGACACCAAAAACT
 GTGAAAACCTCATCAAGCTCTGCAAGAAACAGTATTATGATGGTACCATCTTTCACAGGTCCATCAGGAA
 CTTTGTGATCCAGGGCGGTGACCCACAGGTACAGGCACAGGTGGAGAGTCACTTGGGGCAAGCCTTTC
 AAAGATGAGTCCGTCCCAACCTTTCACACACGGGCCGTGGGGTGTCTCAGCATGGCAATTCGGGGCCCA
 ACACCAACAAGTCTCAGTCTTCCATCACATTCCGATCCTGCGCTTACCTGGATAAGAAGCATACCATCTT
 TGGACGGTGTGGGGGCTTTGACACGCTGACAGCCATGGAGAATGTGGAGAGTGACCCTAAAACTGAC
 CGTCTAAGGAGGAAGTCTCATATGTACAACCACAGTGTGTTGGACCCCTATGAGGAGGCTGATGCC
 AGATTGCCAGGAACGGAAGAAGACACAGCATCAGGTGGATCCAGAGGCCAAAGTCAAGATGAGTCAGCC
 CCAGCCTGGAACCCAGGGACCCAGACATACCGCCAGGGGGTGGGCAAGTACATCCACCCTGCGGCCACG
 AAACGATCAGCAGAGGAAGAACCATCGACCAGCACTGCCACCCACAGCCAAGAAAAGGCCAGTCGGG
 GCTTTGGGGACTTCAGCTCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208348 protein sequence
 Red=Cloning site Green=Tags(s)

MGKRQHQQDKMYITCAEYTHFYGGRKPDISQTSFRRLPFDHCSLSLQPFVYVPVCTPEGVFDLLNIVPWL
 KKYGTNPSTGEKLDGKSLIKLNF AKNSEGYHCPVLYSVFTDNTHIVAIRTTGNVYTYEAVEQLNIKAKN
 LRDLLTDEPFSRQDIITLQDPTNLDFNVSNNFHVKNMIRIIDPDEEKAKQDPSYYLKNTNSETRETLQE
 LYKEFKGDEILAAATMRPPEKKKVDQLNAAHYSTGKVSASFSTAMVPETTHEAAVIDEDVLRVQFVKKKG
 YVRLHTNKGDLNLELHCDLTPKTCENFIKLCCKQYYDGTIFHRSIRNFVIQGGDPTGTGTGGESFWGKPF
 KDEFKPNLSHTGRGVLSMANSGPNTNKSQFFITFRSCAYLDKKHTIFGRVVGGFDLTA MENVESDPKTD
 RPKEEVLICTTTVFVDPYEEADAQIAQERKKTQHQVDPEAKVKMSQPQPGNQGPQTYRQGVGKYIHPAAT
 KRSAEEEEPSTSTATPTAKKRPSRGGDFSSW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_144954

ORF Size: 1566 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_144954.1](#)

RefSeq Size: 2230 bp

RefSeq ORF: 1566 bp

Locus ID: 66053

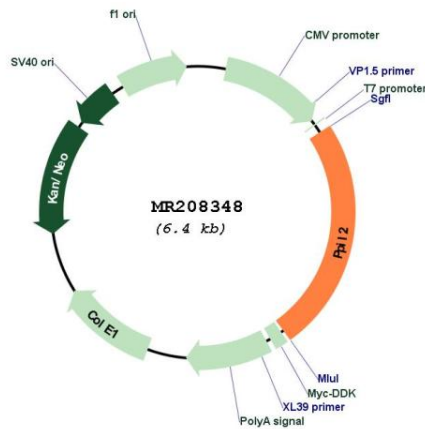
UniProt ID: [Q9D787](#)

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 MR208348