

## Product datasheet for MC210012

### Ppie (NM\_019489) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ppie (NM_019489) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppie
Synonyms:	2010010D16Rik; Cyp33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210012 representing NM_019489 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACCACCAAGCGTGTGCTGTACGTGGGCGGGCTGGCAGAAGAGGTGGACGACAAGTTCTTCATG  
CTGCATTTATCCCCTTTGGAGACATCACAGATTTCAAATTCCTCTGGACTATGAAACAGAAAAACACCG  
AGGTTTGGCTTTTGTGAGTTTGGAGTTGGCAGAGGATGCGGCAGCAGCTATCGACAACATGAATGAATCT  
GAGCTCTTTGGACGGACGATTCTGTCAATTTGGCCAAGCCAATGAGAATTAAGAGGGCTCTCCAGGC  
CAGTCTGGTCAGATGATGACTGGTTGAAGAAGTTTCTGGGAAGACTCTTGAGGAGAATAAGGAAGAAGA  
AGGACCCGAGCCTCCCAAAGCTGAAGCCCAGGAGGGAGAGCCACTGCAAAAAAGCCCGGTCAAATCCT  
CAGGTGTACATGGACATCAAGATTGGGAACAAGCCAGCAGGCCGCATTGATGCTCCTACGGTCTGATG  
TGGTGCCCATGACCGCAGAAAACCTCCGCTGCCTGTGCACCCATGAAAAGGGCTTTGGCTTCAAGGGAAG  
CAGCTTCCACCGCATCATCCCCAGTTCATGTGTGAGGTTGGTATTTCAAACCACAATGGCACAGGG  
GGCAAGTCCATCTATGGGAAGAAGTTTGTGATGAAAACCTCATCCTTAAACACACAGGACCAGGCCTCC  
TCTCCATGGCCAATTCTGGCCGAACACCAACGGCTCCAGTTCCTCCTGACCTGTGATAAGACAGATTG  
GCTGGACGGCAAGCATGTGGTATTTGGGAGGTCACGGAAGCCCTGGATGCTTTCGGCAGATCGAGGCT  
CAGGGCAGCAAGGATGGGAAGCCAAAGCAGAAGGTGATGATTGCCGACTGTGGAGGTACATG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja3124_c02.zip">https://cdn.origene.com/chromatograms/ja3124_c02.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_019489



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<b>Insert Size:</b>	906 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019489.5</a> , <a href="#">NP_062362.1</a>
<b>RefSeq Size:</b>	1168 bp
<b>RefSeq ORF:</b>	906 bp
<b>Locus ID:</b>	56031
<b>UniProt ID:</b>	<a href="#">Q9QZH3</a>
<b>Cytogenetics:</b>	4 D2.2
<b>Gene Summary:</b>	Involved in pre-mRNA splicing as component of the spliceosome. Combines RNA-binding and PPIase activities. Binds mRNA and has a preference for single-stranded RNA molecules with poly-A and poly-U stretches, suggesting it binds to the poly(A)-region in the 3' UTR of mRNA molecules. Catalyzes the cis-trans isomerization of proline imidic peptide bonds in proteins. Inhibits KMT2A activity; this requires proline isomerase activity.[UniProtKB/Swiss-Prot Function]