

## Product datasheet for **MC226548**

### **Pphln1 (NM\_001285864) Mouse Untagged Clone**

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Pphln1 (NM_001285864) Mouse Untagged Clone   |
| Tag:                 | Tag Free   |
| Symbol:              | Pphln1   |
| Synonyms:            | CR; HSPC206; HSPC232   |
| Vector:              | pCMV6-Entry (PS100001)   |
| E. coli Selection:   | Kanamycin (25 ug/mL)   |
| Cell Selection:      | Neomycin   |
| Fully Sequenced ORF: | >MC226548 representing NM_001285864<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGAGAGACGGCTTCAGAAGAAAGAGTTTCTACTCTTCACATTATTCGAGAGATCGGTCTCCCCATAAAA  
GGGACGCTCCCTTCTTCAGAGAATCCCCTGTCGGCCGGAAGGACTCCCCACACAGCAGATCCGGCTCCAG  
TGTCAGCAGCAGAAGCTATTCTCCAGAGCGAAGCAGGACTCACTCCTCCATCAGTCTCAGCATAGAAGT  
AAAGAGAGATCCATCCAGTCAGTGAAAACCTCGAGAGATGCGTCACCCCTCAAGTTCCTCAGCAGTTGCTT  
CATCCAAGGCGTTAGACAAACCCAGCAGGCTAACTGAGAAGGAACCTTGCTGAGGCTGAAAGCAAGTGGGC  
TAATGAACACTAGAGAAGTCAGACGAAAGTAACTTGGCTGAAATGAATGAGTTTGAGGCGGGATCCACG  
GCACCCCTATTTATTGACCAGACAGAAGAACCCGAGTCAAACACAGTAGATGGTACAGAAGTGTATGAAG  
ACAGCCAGCTCAGCAACCGCTCTAAAGCCATTGCCTCGAAAACCAAGAGATTGAGCAGGTTTACCGACA  
AGACTGCGAGACTTTCGGGATGGTGGTAAAAATGCTGATTGAAAAAGATCCCTCATTAGAAAAGTCTGTC  
CAGTTTGACTGAGGCAGAACTTACACGAGATAGGTGAGCGCTGCGTGGAAGAGCTCAAGCGTTTCATTA  
CTGAGTATGACAACTCTGCTCAGGACTTTGGAGACCCCTTT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |              |
|--------------------|--------------|
| Restriction Sites: | SgfI-MluI    |
| ACCN:              | NM_001285864 |
| Insert Size:       | 744 bp       |



[View online »](#)

|                               |   |
|-------------------------------|---|
| <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>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <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>                | <u>NM_001285864.1, NP_001272793.1</u>   |
| <b>RefSeq Size:</b>           | 3679 bp   |
| <b>RefSeq ORF:</b>            | 744 bp  |
| <b>Locus ID:</b>              | 223828  |
| <b>Cytogenetics:</b>          | 15 E3   |
| <b>Gene Summary:</b>          | <p>Component of the HUSH complex, a multiprotein complex that mediates epigenetic repression. The HUSH complex is recruited to genomic loci rich in H3K9me3 and is probably required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3. In the HUSH complex, contributes to the maintenance of the complex at chromatin. Acts as a transcriptional corepressor and regulates the cell cycle, probably via the HUSH complex. The HUSH complex is also involved in the silencing of unintegrated retroviral DNA: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed. May be involved in epithelial differentiation by contributing to epidermal integrity and barrier formation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) lacks alternate in-frame exons in the coding region, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.</p> |