

## Product datasheet for **RC212686**

### **PDPN (NM\_001006624) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PDPN (NM\_001006624) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PDPN  
**Synonyms:** AGGRUS; GP36; Gp38; GP40; HT1A-1; OTS8; PA2.26; T1A; T1A-2; T1A2; T11A  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC212686 representing NM\_001006624  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGCCAGGTGCCGAAGATGATGTGGTGACTCCAGGAACCAGCGAAGACCGCTATAAGTCTGGCTTGACAA**  
**CTCTGGTGGCAACAAGTGTCAACAGTGTAAACAGGCATTCGCATCGAGGATCTGCCAACTCAGAAAGCAC**  
**AGTCCACGCGCAAGAACAAGTCCAAGCGCCACAGCCTCAAACGTGGCCACCAGTCACTCCACGGAGAAA**  
**GTGGATGGAGACACAGACAACAGTTGAGAAAGATGGTTTGTCAACAGTGACCTGGTTGGAATCATAG**  
**TTGGGGTCTTACTAGCCATCGGCTTCATTGGTGCAATCATCGTTGTGGTTATGCGAAAAATGTCGGGAAG**  
**GTA**CTCGCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212686 representing NM\_001006624  
Red=Cloning site Green=Tags(s)  
MPGAEDDVVTPGTSEDRYKSLTTLVATSVNSVTGIRIEDLPTSESTVHAQEQSPSATASNVATSHSTEK  
VDGDTQTTVEKDGLSTVTLVGIIVGVLLAIGFIGAIIVVMRKMGRYSP

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

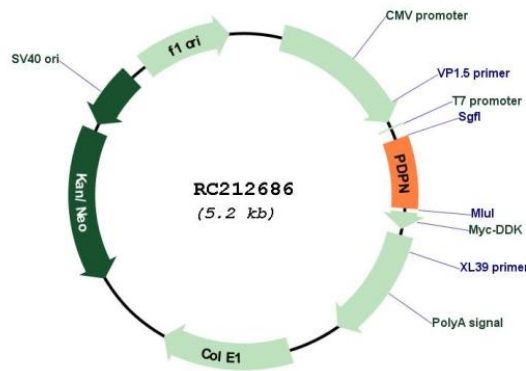


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001006624  
 ORF Size: 360 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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_001006624.2</a>
<b>RefSeq Size:</b>	2652 bp
<b>RefSeq ORF:</b>	363 bp
<b>Locus ID:</b>	10630
<b>UniProt ID:</b>	<a href="#">Q86YL7</a>
<b>Cytogenetics:</b>	1p36.21
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	12.4 kDa
<b>Gene Summary:</b>	<p>This gene encodes a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous protein in other species has been described as a differentiation antigen and influenza-virus receptor. The specific function of this protein has not been determined but it has been proposed as a marker of lung injury. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p>