

## Product datasheet for **MC228966**

### **Dpp6 (NM\_001198886) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpp6 (NM_001198886) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpp6
Synonyms:	B930011P16Rik; D5Buc3; D5Buc4; D5Buc5; Dpp-6; DPP VI; Gm1377; In(5)6H-p; Peplb; Rw
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228966 representing NM\_001198886  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGAAAAGGCCATGATCAAGACCGCTAAAATGCAGGGCAACGTGATGGAGCTGGTGGGGAGTAATC  
 CTCACAGAGGAACTGGAAAGGAATCGCCATTGCGCTGCTCGTCATCCTTGTCATCTGCTCTCTGATTGT  
 CACCTCAGTCATCCTGTTGACCCACGCGAAGATACCAGTCTGTCTCAGAAGAAAAAAGTACTGTGGAA  
 GATCTCTTCAGTGAAGACTTCAAATCCATGACCCAGAGGCAAAGTGGATAAGCAATAAGGAATTCATCT  
 ACAGAGAACGGAAGGGAGTGTCACTGCGGAATGTTGAAACAAATAATTCCACGGTGTAAATAGAAGG  
 CAAAAAATTGAATCCTTGAGAGCCATCAGATATGAAATATCCCCAGATAAAGAGTATGTGCTGTCTCC  
 TATAATGTGGAGCCGGTATACCAACTCCCACACTGGATATTATGTTCTGAGCAAAATTCCTCATGGGG  
 ACCCTCAGAGTCTGGACCCACCAGAAGTCAAGCAACGAAAGCTTCAGTATGCAGGGTGGGCCCCAAAAGG  
 CCAGCAGCTGATATTTATCTTTGAGAACAACATCTACTACTGTGCACACGTTGAAAGCAGGCAATTCGA  
 GTGGTCTCTACAGGGAAGGAGGGCGTGATCAATGGCCTCAGTACTGGCTGTATGAAGAGGAGATTC  
 TGAAGAGCCACATCGCTCATTGGTGGTCAACAGATGGTACAAGGCTCGCCTATGCCACCATCAACGACTC  
 CCGGGTCCACTTATGGAGCTGCCAACGTACACAGGCTCTGTCTACCCCACTGTGAAGCCCTACCACTAT  
 CCTAAGGCTGGCAGTGAACCCAGCATCTCGCTCCATGTATCGGCTTGAATGGACCCACCCACGACC  
 TGGAGATGATGCCACCTGATGACCCGCGCATGAGGGAATATTACATCACCATGGTGAATGGGCCACCAAG  
 CACCAAGTTCGCTGTGACCTGGCTGAACCGGGCCAGAATGTGTCAATCCTGACCCTCTGTGATGCCACC  
 ACGGGTGTCTGCACTAAGAAACATGAAGATGAAAGCGAAGCCTGGCTCCACAGACAGAATGAAGACCTG  
 GTTCTCAAAGATGGCAGGAAGTTTTTCTTTGTGAGAGCGATCCACAGGGAGGCGGGTAAATTTCTA  
 CCATATCACCGTATCATATCCAGCCCAACAGCAGCAATGACAACATCCAGTCTATCACCTCTGGAGAC  
 TGGGATGTGACCAAGATCCTGTCTATGATGAGAAGCGGAATAAGATCTATTTCTGAGCACAGAAGACC  
 TGCCACGGAGACGACATCTACAGTGCCAACACGGTAGATGACTTCAACAGGCAGTGTCTGTGATGTGA  
 CTTGGTGGAGAAGTGCACCTATGTCAGCGCTTCTTTGAGCCATAACATGGACTTCTTCTGCTCAAGTGT  
 GAAGGCCCTGGCGTACCCACTGTTACTGTGCATAACACCACGGACAAGAGAAGAATGTTTGACTTGAAG  
 CAAATGAGGAAGTTCAGAAGGCTATCAACGACCCGAGATGCCGAAGATTGAATATCGAAAAATTGAAGT  
 AGAAGATTACAGCTTGCCAATGCAAATCTGAAGCCGGCCACCTTACCAGACACAGCTCACTACCCCTTA  
 TTGCTCGTGGTGGATGGTACCCAGGGAGTCAAGCGGTGACAGAGAGTTTGAAGTACCTGGGAAACAG  
 TGTTGGTGGAGCAGCCATGGAGCCGTGGTGGTCAAGTGTGACGGCCGAGGCAGCGGCTTCCAGGGAACCA  
 GCTCTACAGGAAGTACGGAGGCGGCTAGGCTTCTGGAGGAGAAGGACCAGATGGAAGCTGAAGAAGT  
 ATGCTGAAGGAGCAGTATATTGACAAGACTCGGGTAGCTGTGTTTGGGAAGGATTATGGTGGTACCTGA  
 GCATTTACATCTCCAGCCAAGGGAGAAAAATCAAGGTGACAGTTTACCTGCGGCTCTGCGCTCTCTCC  
 AATAACAGACTTCAAACCTATGCTCTGCATTTTCTGAGAGGTACCTTGGCCTCCATGGACTCGACAAC  
 AGAGCGTATGAGATGACCAAGCTGGCACACCGAGTGTGAGCACTGGAGGACCAGCAGTTCCTGATCATCC  
 ACGCCACGGCCGATGAAAAATCCATTTCCAGCACACAGCTGAGCTCATCACGAGCTGATCAAGGGAAA  
 GGCCAATTACAGCTTACAGATCTACCCAGATGAGAGTCACTACTCCACAGCGTGGCGCTCAAGCAGCAC  
 CTGTCCAGGTCCATCATCGGCTTCTTTGTGGAATGTTTCAGAGTCCAAGATAAGCTACCAACAGCCACAG  
 CAAAAGAGGAGGAGGAGGAGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001198886  
**Insert Size:** 2406 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>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_001198886.1, NP_001185815.1</u>
<b>RefSeq Size:</b>	4615 bp
<b>RefSeq ORF:</b>	2406 bp
<b>Locus ID:</b>	13483
<b>Cytogenetics:</b>	5 12.92 cM
<b>Gene Summary:</b>	<p>Promotes cell surface expression of the potassium channel KCND2 (PubMed:22311982). Modulates the activity and gating characteristics of the potassium channel KCND2 (PubMed:22311982). Has no dipeptidyl aminopeptidase activity (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) has an alternate upstream 5' exon, as compared to variant 3. The resulting isoform (4) is shorter and has a different N-terminus, as compared to isoform 3.</p>