

## Product datasheet for **MC221749**

### **Dpp6 (NM\_010075) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpp6 (NM_010075) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpp6
Synonyms:	B930011P16Rik; D5Buc3; D5Buc4; D5Buc5; Dpp-6; DPP VI; Gm1377; In(5)6H-p; Peplb; Rw
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221749 representing NM\_010075  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAATCAAACAGCCGGAGCTTCCAACAACGTCAGGTGTCTCCAGGAAAGGCCATAAGGAGCTGGTGG  
 GGAGTAATCCTCCACAGAGGAACTGAAAAGGAATCGCCATTGCGCTGCTGTCATCCTTGTCTGCTGCTC  
 TCTGATTGTACCTCAGTCATCCTGTTGACCCAGCGGAAGATACCAGTCTGTCTCAGAAGAAAAAGTG  
 ACTGTGGAAGATCTCTCAGTGAAGACTTCAAAATCCATGACCCAGAGGCAAAGTGGATAAGCAATAAGG  
 AATTCATCTACAGAGAACGGAAGGGAGTGTACTGCGGAATGTTGAAACAAATAATCCACGGTGT  
 AATAGAAGGCAAAAAATTGAATCCTTGAGAGCCATCAGATATGAAATATCCCCAGATAAAGAGTATGTG  
 CTGTTCTCTATAATGTGGAGCCGTATACCAACTCCCACACTGGATATTATGTTCTGAGCAAAATTC  
 CTCATGGGACCCTCAGAGTCTGGACCCACCAGAAGTCAGCAACGCAAAGCTTCAGTATGCAGGGTGGGG  
 CCCAAAAGGCCAGCAGCTGATATTTATCTTTGAGAACAACATCTACTACTGTGCACAGTGGAAAGCAG  
 GCAATTCGAGTGGTCTCTACAGGGAAGGAGGGCGTGATCTACAATGGCCTCAGTACTGGCTGTATGAAG  
 AGGAGATTCTGAAGAGCCACATCGCTCATTGGTGGTCACCAGATGGTACAAGGCTCGCCTATGCCACCAT  
 CAACGACTCCCGGTTCCACTTATGGAGCTGCCAACGTACACAGGCTCTGTCTACCCCACTGTGAAGCCC  
 TACCACTATCCTAAGGCTGGCAGTGAACCCCAAGCATCTCGCTCCATGTCTCGCTTGAATGGACCCA  
 CCCACGACTGGAGATGATGCCACCTGATGACCCGCGCATGAGGGAAATTTACATCACCATGGTGAATG  
 GGCCACCAGCACCAAGGTCGCTGTGACCTGGCTGAACCGGGCCAGAATGTGTCAATCCTGACCCCTGT  
 GATGCCACCACGGGTGTCTGCACTAAGAAACATGAAGTGAAGCGAAGCCTGGCTCCACAGACAGAATG  
 AAGAGCCTGTGTTCTCCAAGATGGCAGGAAGTTTTTCTTTGTGAGAGCGATCCACAGGGAGCCGGGG  
 TAAATTCTACCATATCACCGTATCATCTCCAGCCCAACAGCAGCAATGACAACATCCAGTCTATCACC  
 TCTGGAGACTGGGATGTGACCAAGATCCTGTCTATGATGAGAAGCGGAATAAGATCTATTTCTGAGCA  
 CAGAAGACCTGCCACGGAGACGACATCTCTACAGTGCCAACACGGTAGATGACTTCAACAGGCAGTGTCT  
 GTCATGTGACTTGGTGGAGAAGTGCACCTATGTCAGCGCTTCTTTGAGCCATAACATGGACTTCTTCTCTG  
 CTCAAGTGTGAAGGCCCTGGCGTACCCACTGTTACTGTGCATAACACCACGGACAAGAGAAGAATGTTTG  
 ACTTGAAGCAAAATGAGGAAGTTCAGAAGGCTATCAACGACCGGCAGATGCCGAAGATTGAATATCGAAA  
 AATTGAAGTAGAAGATTACAGCTTGCCAAATGCAAATCTTGAAGCCGGCCACCTTCACCGACACAGCTCAC  
 TACCCCTTATTGCTCGTGGTGGATGGTACCCAGGGAGTCAGAGCGTGACAGAGAGGTTTGAGGTGACCT  
 GGGAAACAGTGTGGTGAGCAGCCATGGAGCCGTGGTGGTCAAGTGTGACGGCCGAGGCAGCGGCTTCCA  
 GGAACCAAGCTCCTACAGGAAGTACGGAGGCGGCTAGGCTTCTGGAGGAGAAGGACCAGATGGAAGCT  
 GTAAGAATATGCTGAAGGAGCAGTATATTGACAAGACTCGGGTAGCTGTGTTGGGAAGGATTATGGTG  
 GGTACCTGAGCACTTACATCCTCCAGCCAAGGGAGAAAAATCAAGGTGAGACTTTACCTGCGGCTCTGC  
 GCTCTCTCCAATAACAGACTTCAAACCTCTATGCCTCTGCATTTCTGAGAGGTACCTTGGCTCCATGGA  
 CTCGACAACAGAGCGTATGAGATGACCAAGCTGGCACACCGAGTGTGAGCACTGGAGGACCAGCAGTTC  
 TGATCATCCACGCCACGGCCGATGAAAAATCCATTTCCAGCACACAGCTGAGCTCATCACGAGCTGAT  
 CAAGGGAAGGCCAATTACAGCTTACAGATCTACCCAGATGAGAGTCACTACTTCCACAGCGTGGCGCTC  
 AAGCAGCACCTGTCCAGTCCATCATCGGCTTCTTTGTGGAATGTTTCAGAGTCCAAGATAAGCTACCAA  
 CAGCCACAGCAAAAAGAGGAGGAGGAGGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_010075  
**Insert Size:** 2415 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_010075.2</a> , <a href="#">NP_034205.1</a>
<b>RefSeq Size:</b>	4866 bp
<b>RefSeq ORF:</b>	2415 bp
<b>Locus ID:</b>	13483
<b>UniProt ID:</b>	<a href="#">Q9Z218</a>
<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 (2) has an alternate upstream 5' exon, as compared to variant 3. The resulting isoform (2) is shorter and has a different N-terminus, as compared to isoform 3.</p>