

## Product datasheet for **MC221689**

### Dpp6 (NM\_001136060) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp6 (NM_001136060) 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:** >MC221689 representing NM\_001136060  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACCACAGCCAAGGAGCCAGCGCCTCAGGAAATCTGTACAGCAGCAGGATCAGGAGCTGGTGGGA  
 GTAACTCCACAGAGGAAGTGGAAAGGAATCGCCATTGCGCTGCTCGTCATCCTTGTCTGCTCTCT  
 GATTGTACCTCAGTCATCCTGTTGACCCAGCGGAAGATACCAGTCTGTCTCAGAAGAAAAAGTACT  
 GTGGAAGATCTTTCAGTGAAGACTTCAAAATCCATGACCCAGAGGCAAAGTGGATAAGCAATAAGGAAT  
 TCATCTACAGAGAACGGAAAGGAGTGTACTGCGGAATGTTGAAACAAATAATCCACGGTGTAAAT  
 AGAAGGCCAAAAAATGAATCCTTGAGAGCCATCAGATATGAAATATCCCGAGATAAGAGTATGTGCTG  
 TTCTCTATAATGTGGAGCCGTATACCAACACTCCACACTGGATATTATGTTCTGAGCAAAATCCTC  
 ATGGGGACCTCAGAGTCTGGACCCACCAGAAGTCAGCAACGCAAAGCTCAGTATGCAGGGTGGGGCC  
 AAAAGGCCAGCAGCTGATATTTATCTTTGAGAACAACATCTACTACTGTGCACACGTTGGAAAGCAGGCA  
 ATTCGAGTGGTCTCTACAGGGAAGGAGGGCGTGATCTACAATGGCCTCAGTACTGGCTGTATGAAGAGG  
 AGATTCTGAAGAGCCACATCGCTCATTGGTGGTACCAGATGGTACAAGGCTCGCCTATGCCACCATCAA  
 CGACTCCCGGGTCCACTTATGGAGCTGCCAACGTACACAGGCTCTGTCTACCCACTGTGAAGCCCTAC  
 CACTATCCTAAGGCTGGCAGTGAACCCAGCATCTCGTCCATGTCATCGGCTTGAATGGACCCACCC  
 ACGACCTGGAGATGATGCCACCTGATGACCCGCGCATGAGGGAATATTACATCACCATGGTGAATGGGC  
 CACCAGCACCAAGGTCGCTGTGACCTGGCTGAACCGGGCCAGAATGTGTCAATCCTGACCTCTGTGAT  
 GCCACCAGGGTGTCTGCACTAAGAAACATGAAGATGAAAGCGAAGCCTGGCTCCACAGAGCAAGTGAAG  
 AGCTGTGTTCTCAAAGATGGCAGGAAGTTTTCTTTGTCAGAGCGATCCACAGGGAGGCCGGGTAA  
 ATTCTACCATATACCGTATCATCATCCAGCCAAACAGCAGCAATGACAACATCCAGTCTATCACCTCT  
 GGAGACTGGGATGTGACCAAGATCCTGTCTATGATGAGAAGCGGAATAAGATCTATTTCTGAGCACAG  
 AAGACCTGCCACGGAGACGACATCTCTACAGTGCCAACACGGTAGATGACTTCAACAGGCAGTGTCTGTC  
 ATGTGACTTGGTGGAGAAGTGCACCTATGTGAGCGCTTCTTTCAGCCATAACATGGACTTCTTCTGCTC  
 AAGTGTGAAGGCCCTGGCGTACCCACTGTTACTGTGCATAACACCACGGACAAGAGAAGAATGTTTGACT  
 TGAAGCAAAATGAGGAAGTTCAGAAGGCTATCAACGACCCGAGATGCCGAAGATTGAATATCGAAAAAT  
 TGAAGTAGAAGATTACAGCTTGCCAATGCAAATCTTGAAGCCGGCCACCTTACCAGACACAGCTCACTAC  
 CCCTTATTGCTCGTGGTGGATGGTACCCAGGGAGTCAGAGCGTGACAGAGAGTTTGGAGTGACCTGGG  
 AAACAGTGTGGTGGAGCAGCCATGGAGCCGTGGTGGTCAAGTGTGACGGCCGAGGAGCGGCTTCCAGGG  
 AACCAAGCTCCTACAGGAAGTACGGAGGCGGCTAGGCTTCTGGAGGAGAAGGACCAGATGGAAGCTGTA  
 AGAACTATGCTGAAGGAGCAGTATATTGACAAGACTCGGGTAGCTGTGTTTGGGAAGGATTATGGTGGGT  
 ACCTGAGCACTTACATCCTCCAGCCAAGGGAGAAAAATCAAGGTGAGACTTTCACCTGCGGCTCTGCGCT  
 CTCTCAAATAACAGACTTCAAATCTATGCCTCTGCATTTCTGAGAGGTACCTTGGCCTCCATGGACTC  
 GACAACAGAGCGTATGAGATGACCAAGCTGGCACACCGAGTGTGAGCACTGGAGGACCAGCAGTTCTGTA  
 TCATCCACGCCACGGCCGATGAAAAATCCATTTCCAGCACACAGCTGAGCTCATCACGCAGCTGATCAA  
 GGGAAAGGCCAATTACAGCTTACAGATCTACCCAGATGAGAGTCACTACTTCCACAGCGTGGCGCTCAAG  
 CAGCACCTGTCCAGGTCCATCATCGGCTTCTTTGTGGAATGTTTCAGAGTCCAAGATAAGCTACCAACAG  
 CCACAGCAAAAGAGGAGGAGGAGGAGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001136060  
**Insert Size:** 2412 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_001136060.2</a> , <a href="#">NP_001129532.1</a>
<b>RefSeq Size:</b>	4531 bp
<b>RefSeq ORF:</b>	2412 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 (1) has an alternate upstream 5' exon, as compared to variant 3. The resulting isoform (1) is shorter and has a different N-terminus, as compared to isoform 3.</p>